



Columbia State

COMMUNITY COLLEGE



2015-2016 Catalog



ColumbiaState.edu

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Individuals needing this material in an alternative format should contact the associate vice president for student services.

Information Directory

Columbia State Community College
1665 Hampshire Pike · Columbia, TN 38401
(931) 540-2722 · www.columbiastate.edu

Incllement Weather Line: (931) 540-2515

TDD Relay Number (for the hearing impaired): 1-800-848-0298

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Clifton Site	Rhonda Delk, Coordinator	(931) 676-6966
Counseling and Student Support Services	Connie Gallon, Director	(931) 540-2572
Disability Services	Wynn Gooch, Coordinator	(931) 540-2857
Center for Workforce Development	Terri Kinloch, Director	(931) 540-1121
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Information Technology	Emily Siciensky, Associate Vice President	(931) 540-2704
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Instructional Support, Distance Learning, and University Services	Marilia Gerges, Director	(931) 540-2618
Instructional Technology Support Services	Bob Trybalski, Coordinator	(931) 540-2869
Lawrence County Center	Ruth Ann Holt, Director	(931) 766-1600
Lewisburg Site	Elizabeth McDow, Director	(931) 359-0351
Library	Kathy Breeden, Director	(931) 540-2560
Maintenance	David Hall, Director	(931) 540-2622
Marketing and Public Relations	Amy Spears-Boyd, Director	(931) 540-2516
President's Office	Janet F. Smith, President	(931) 540-2510
Records	Sharon Joyce Bowen, Director	(931) 540-2581
Science, Technology and Mathematics Division	Dearl Lampley, Dean	(931) 540-2710
Student Services	Vacant, Associate Vice President	(931) 540-2570
Teaching and Learning Center, Columbia	Anne Reeves, Tutor Coordinator	(931) 540-1302
Teaching and Learning Center, Williamson	Gena Ryan, Coordinator	(615) 790-5670
Testing Services	Patricia Harlan, Coordinator	(931) 540-2569
Williamson County Center	Ralph Walker, Director	(615) 790-4400

Directory assistance for other offices is available through the main switchboard at (931) 540-2722.

The Columbia State Community College Catalog and Student Handbook is published by the Academic and Student Programs and Services office, in conjunction with Student Services and Marketing and Public Relations.

Columbia State is a two-year college, serving a nine-county area in southern Middle Tennessee with locations in Columbia, Franklin, Lawrenceburg, Lewisburg and Clifton. As Tennessee's first community college, Columbia State is committed to increasing access and enhancing diversity at all five campuses. Columbia State is a member of the Tennessee Board of Regents, the sixth largest higher education system in the nation.

Campus Locations

Columbia

1665 Hampshire Pike
Columbia, TN 38401
(931) 540-2722

Clifton Site

795 Main Street
Clifton, TN 38425
(931) 676-6966
Fax: (931) 676-6941

Lawrence County Center

1620 Springer Road
Lawrenceburg, TN 38464
(931) 766-1600
Fax: (931) 766-1602

Lewisburg Site

980 South Ellington Parkway
Lewisburg, TN 37091
(931) 359-0351
Fax: (931) 560-4118

Williamson County Center

104 Claude Yates Drive
Franklin, TN 37064
(615) 790-4400
Fax: (615) 790-4405

Accrediting Agencies

Columbia State Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award the Associate of Arts degree, Associate of Fine Arts degree, Associate of Science degree, Associate of Applied Science degree, Associate of Science in Teaching degree, and Technical Certificates. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404) 679-4500 for questions about the accreditation of Columbia State Community College.

Student Rights Related to Accreditation include: (1) to learn about the accreditation status of the institution, (2) to file a third-party comment at the time of the institution's decennial review, or (3) to file a complaint against the institution for alleged non-compliance with a standard or requirement. Normal inquiries about the institution, such as admission requirements, financial aid, educational programs, etc., should be addressed directly to Columbia State Community College and not to the Commission's office.

In addition, some of the college programs have specialized accreditation by the following agencies:

Accounting, Business Administration, Business, Economics, Information Systems Technology

Accreditation Council for Business Schools and Programs (ACBSP)
11520 West 119th Street
Overland Park, Kansas 66213
(913) 339-9356
www.acbsp.org

Advanced Integrated Industrial Technology

The Association of Technology, Management, and Applied Engineering (ATMAE)
275 North York Street, Suite 401
Elmhurst, IL 60126-2752
(630) 433-4514
www.atmae.org

Emergency Medical Technology

Committee on Accreditation of Educational Programs for the EMS Professions
8301 Lakeview Pkwy Suite 111-312
Rowlett, Texas 75088
(817) 283-9403
www.caahep.org

Nursing

Accreditation Commission for Education in Nursing (ACEN)
3343 Peachtree Road NE, Suite 850
Atlanta, Georgia 30326
(404) 975-5000
Fax: (404) 975-5020
www.acenursing.org

Radiologic Technology

Joint Review Committee on Education in Radiologic Technology (JRCERT)
20 N. Wacker Drive, Suite 2850
Chicago, Illinois 60606-3182
(312) 704-5300
www.jrcert.org

Respiratory Care

Commission on Accreditation of Respiratory Care (CoARC)
1248 Harwood Road
Bedford, Texas 76021-4244
(817) 283-2835
www.coarc.com

Veterinary Technology

American Veterinary Medical Association Committee on Veterinary Technician Education and Activities (CVTEA)
1931 N. Meacham Road, Suite 100
Schaumburg, Illinois 60173-4360
(847) 925-8070
Fax: (847) 925-1329
www.avma.org



Columbia State
COMMUNITY COLLEGE

President's Welcome

Dear Students,

On behalf of the faculty and staff, I am excited to welcome all new and returning students to the 2015-2016 academic year at Columbia State Community College. We are pleased that you have chosen Columbia State as your college and thrilled that you will be here to help us celebrate Columbia State's 50th Anniversary.

Columbia State is Tennessee's first community college and as such we have established a high standard of academics and service. For the 50th we celebrate the opportunities for learning that has been, is, and always will be at the heart of who Columbia State is. There are a number of events planned to celebrate this milestone. More information will be provided throughout the year.

Columbia State is a student-centered college that is committed to providing a learning environment that is challenging, yet supportive of your success. The 2015-2016 Catalog has been prepared to provide you with the information that will assist you in applying to the College, registering for classes, applying for financial aid, and mapping out your academic path – information that will assist you in being successful.

Education is a lifelong process and it is our goal that you succeed while you are here and that you are well-prepared for life and work beyond Columbia State. You will find the outstanding faculty and staff of C-State to be exciting, energetic, dedicated, helpful, and available to assist you with any questions you may have. Admissions, Financial Aid, other college offices, and your assigned advisor are here to assist you and to provide you with a rich college experience.

While you are here at Columbia State, become involved – participate in and/or attend many of the extracurricular activities that will enhance your learning. Activities such as plays, art exhibits, concerts, athletic events, competitions, curriculum/academic societies, and Student Government Association (SGA) activities. You can keep up with happenings and events through your college app and video displays throughout our campuses.

Become a member of the President's Leadership Society. It will enhance your college and academic experiences through workshops, fieldtrips, teambuilding/leadership activities and much more. This is an organization that I am personally involved with.

Don't leave before you graduate – the employer and/or the college you transfer to likes the certificate/degree – it says you finished something you started.

I am more than honored to be your President and I welcome you to Columbia State. I hope to have an opportunity to talk with you and get to know you as we encounter each other on campus. And most of all, I look forward to the opportunity of congratulating you as you walk across the stage at graduation!!

I hope that you have a challenging and successful academic year!

Sincerely,

A handwritten signature in black ink, appearing to read 'Janet F. Smith'.

Janet F. Smith, Ph.D.
President



PS: Follow me on Twitter @PresCState, Instagram, or Facebook. Also, follow Columbia State on social media to be in the know!

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Important Dates

These calendars are subject to change at any time prior to or during an academic term due to emergencies or causes beyond the reasonable control of the institution, including severe weather, loss of utility services, or orders by federal or state agencies.

Fall Semester 2015

Academic Calendar

Part of Term in Class Schedule	Classes Begin	Classes End	Last Day to Apply for New Students	Last Day to Apply for Returning Students	Final Exams
Full Term	August 24	December 4	August 7	August 14	December 5-11
Ten Week	September 28	December 4	September 11	September 18	December 5-11
1st 5 weeks	August 24	September 26	August 7	August 14	Final exams in short terms are given on the last class.
1st 7 weeks	August 24	October 10	August 7	August 14	
2nd 5 weeks	September 28	November 3	September 11	September 18	
2nd 7 weeks	October 14	December 11	September 25	October 5	
3rd 5 weeks	November 4	December 11	October 20	October 27	

Dates for all part of term are posted online at www.columbiastate.edu/refunds-drops-withdrawals. All supporting documents for a new applicant must be submitted within three working days of new student application deadline. To be eligible for application deadline extension, returning students can have no new transfer college coursework since last attending Columbia State. Final grades for this semester will be available in myChargerNet on December 18.

Registration Calendar

Priority Registration for currently enrolled students is April 6-7. Registration for Fall 2015 opens April 13 for all admitted students. Register early to ensure class availability.

Fall 2015 Part of Term	Last Day to Register	Last day to Add a Class during this Part of Term	Last day to Drop, Withdraw or Change to Audit
Full Term	August 18	August 25	November 4
Ten Week	September 25	September 28	November 16
1st 5 weeks	August 18	August 24	September 15
1st 7 weeks	August 18	August 24	September 24
2nd 5 weeks	September 28	September 28	October 22
2nd 7 weeks	October 14	October 14	November 21
3rd 5 weeks	November 4	November 4	November 28

Tuition and Fees Calendar

Fall 2015 Part of Term	Payment Due	Refunds		
		100%	75%	25%
Full Term	August 12	August 23	September 6	September 20
Ten Week	September 25	September 27	October 6	October 16
1st 5 weeks	August 12	August 23	August 27	September 1
1st 7 weeks	August 12	August 23	August 27	September 4
2nd 5 weeks	September 25	September 27	October 2	October 6
2nd 7 weeks	October 9	October 13	October 20	October 28
3rd 5 weeks	November 3	November 3	November 8	November 13

Financial Aid Calendar

Priority Financial Aid Processing and Verification for Fall 2015 semester is July 1, 2015 to allow for timely processing. If financial aid forms are not complete by this date, students should be prepared to pay their tuition and fees by the payment deadline to maintain their class schedules. Additionally, failure to submit documents by this date could result in loss of Tennessee Promise funds for applicable students.

Fall 2015 Part of Term	Awards Posted	Disbursements Available No Later Than
Full Term	September 8	September 22
Ten Week	October 10	October 24
1st 5 weeks	September 8	September 22
1st 7 weeks	September 8	September 22
2nd 5 weeks	October 10	October 24
2nd 7 weeks	October 28	November 11
3rd 5 weeks	November 17	December 1

Posting and disbursement dates are contingent on faculty confirming enrollment by verifying student participation in a class prior to census date. Students must attend/participate on the first day of class in order to receive disbursements according to this schedule.

Class Holidays and Campus Closings

August 19	Convocation (All offices closed)
September 7	Holiday: Labor Day (Campus closed)
October 12 - 13	Fall Break (Classes do not meet; offices open)
November 25	Thanksgiving Holiday (Classes do not meet; offices open)
November 26-29	Thanksgiving Holiday (Campus closed)
December 24 - January 1	Seasonal Holiday (Campus closed)

Graduation Calendar

December 2015 Graduation	
September 11	Submit Intent to Graduate IF you wish to participate in the December ceremony. Those not participating in the ceremony must still file an intent and are encouraged to file early to ensure awareness of requirements before your final semester.
December 12 at 10:00 a.m.	Graduation Ceremony

Spring Semester 2016

Academic Calendar

Part of Term in Class Schedule	Classes Begin	Classes End	Last Day to Apply for New Students	Last Day to Apply for Returning Students	Final Exams
Full Term	January 19	April 29	January 5	January 12	April 30 - May 6
1st 5 weeks	January 19	February 20	January 5	January 12	Final exams in short terms are given on the last class.
1st 7 weeks	January 19	March 5	January 5	January 12	
2nd 5 weeks	February 22	April 2	February 8	February 15	
2nd 7 weeks	March 14	May 6	February 29	March 7	
3rd 5 weeks	April 4	May 6	March 21	March 28	

Dates for all part of term are posted online at www.columbiastate.edu/refunds-drops-withdrawals. All supporting documents for a new applicant must be submitted within three working days of new student application deadline. To be eligible for application deadline extension, returning students can have no new transfer college coursework since last attending Columbia State. Final grades for this semester will be available in myChargerNet on May 13.

Registration Calendar

Priority Registration for currently enrolled students is November 9 - 15. Registration for Spring 2016 opens November 16 for all admitted students. Register early to ensure class availability.

Spring 2016 Part of Term	Last Day to Register	Last day to Add a Class during this Part of Term	Last day to Drop, Withdraw or Change to Audit
Full Term	January 12	January 20	March 31
1st 5 weeks	January 12	January 19	February 9
1st 7 weeks	January 12	January 19	February 18
2nd 5 weeks	February 19	February 22	March 19
2nd 7 weeks	March 11	March 14	April 18
3rd 5 weeks	April 1	April 4	April 25

Tuition and Fees Calendar

Spring 2016 Part of Term	Payment Due	Refunds		
		100%	75%	25%
Full Term	January 5	January 18	February 1	February 14
1st 5 weeks	January 5	January 18	January 22	January 26
1st 7 weeks	January 5	January 18	January 24	January 30
2nd 5 weeks	February 19	February 21	February 26	March 2
2nd 7 weeks	March 11	March 13	March 20	March 27
3rd 5 weeks	April 1	April 3	April 7	April 11

Financial Aid Calendar

Priority Financial Aid Processing and Verification for Spring Semester is November 1, 2015 to allow for timely processing. If financial aid forms are not complete by this date, students should be prepared to pay their tuition and fees by the payment deadline to maintain their class schedules.

Spring 2016 Part of Term	Awards Posted	Disbursements Available No Later Than
Full Term	February 2	February 17
1st 5 weeks	February 2	February 17
1st 7 weeks	February 2	February 17
2nd 5 weeks	March 9	March 23
2nd 7 weeks	March 30	April 13
3rd 5 weeks	April 20	May 4

Posting and disbursement dates are contingent on faculty confirming enrollment by verifying student participation in a class prior to census date. Students must attend/participate on the first day of class in order to receive disbursements according to this schedule.

Class Holidays and Campus Closings

December 24 - January 1	Seasonal Holiday (Campus closed)
January 13	Convocation (All offices closed)
January 18	Holiday (Martin Luther King Day) - College closed
March 7 - 13	Spring Break (Classes do not meet; offices open)

Graduation Calendar

May 2016 Graduation	
February 8	Submit Intent to Graduate IF you wish to participate in the May ceremony. Those not participating in the ceremony must still file an Intent and are encouraged to file early to ensure awareness of requirements before your final semester.
May 7 at 10:00 a.m.	Graduation Ceremony

Summer Semester 2016

Academic Calendar

Part of Term in Class Schedule	Classes Begin	Classes End	Last Day to Apply for New Students	Last Day to Apply for Returning Students	Final Exams
Term 1 (10 weeks)	May 31	August 5	May 16	May 23	Final exams are given on the last class day.
1st Term (5 weeks)	May 31	July 1	May 16	May 23	
2nd Term (5 weeks)	July 5	August 5	June 20	June 27	

Any terms offered within the Summer Semester will be within the dates of May 9 and August 5. Date for all parts of term are posted online at www.columbiastate.edu/refunds-drops-withdrawals. All supporting documents for a new applicant must be submitted within three working days of new student application deadline. To be eligible for application deadline extension, returning students can have no new transfer college coursework since last attending Columbia State. Final grades for the Summer 2016 semester will be available in myChargerNet on August 12.

Registration Calendar

Priority Registration for currently enrolled students is April 4 - 5 . Registration for Summer 2016 opens April 6 for all admitted students. Register early to ensure class availability.

Summer 2016 Part of Term	Last Day to Register	Last Day to Add a Class during this Part of Term	Last Day to Drop, Withdraw or Change to Audit
Term 1 (10 weeks)	May 25	May 31	July 14
1st Term (5 weeks)	May 25	May 31	June 20
2nd Term (5 weeks)	July 5	July 5	July 25

Tuition and Fees Calendar

Summer 2016 Part of Term	Payment Due	Refunds		
		100%	75%	25%
Term 1 (10 weeks)	May 24	May 30	June 7	June 15
1st Term (5 weeks)	May 24	May 30	June 3	June 7
2nd Term (5 weeks)	July 1	July 4	July 8	July 12

Financial Aid Calendar

Priority Financial Aid Processing and Verification for Summer 2016 semester is April 1, 2016 to allow for timely processing. If financial aid forms are not complete by this date, students should be prepared to pay their tuition and fees by the payment deadline to maintain their class schedules.

Summer 2016 Part of Term	Awards Posted	Disbursements Available No Later Than
Term 1 (10 weeks)	June 6-14	June 30
1st Term (5 weeks)	June 6-14	June 30
2nd Term (5 weeks)	July 20	August 3

Posting and disbursement dates are contingent on faculty confirming enrollment by verifying student participation in a class prior to census date. Students must attend/participate on the first day of class in order to receive disbursements according to this schedule.

Class Holidays and Campus Closings

May 30	Holiday: Memorial Day (Campus closed)
July 4	Holiday: Independence Day (Campus closed)

General Information

Vision

As Tennessee's first community college, Columbia State will continue to build on its heritage of excellence through innovation in education and services that foster success and brings distinction and recognition for the quality and effectiveness of the college.

Core Values

At Columbia State Community College we value ...

- individual relationships with students
- student-centered learning
- excellence in instruction
- lifelong learning and personal development
- open access to college programs and facilities
- effective communication
- cooperative working relationships
- recognition of outstanding achievement
- commitment to community service and leadership
- a strong work ethic and personal accountability
- continuing professional development
- diversity

Statement of Mission

Columbia State Community College enhances the lives of citizens and the communities of southern middle Tennessee through teaching, learning and student success.

History

On June 22, 1965, the State Board of Education approved Columbia as the site of Tennessee's first community college. Once the Board of Education had approved the location of a college in Columbia, the Maury County Quarterly Court approved a resolution to purchase the two hundred four-acre Hickman farm and pledged \$250,000 to aid in the construction of the college.

Columbia State graduated its first class in June 1968. These students had enrolled in 1966, when the College was temporarily housed in the Education Building of the First Baptist Church and other facilities throughout the city. The Columbia campus was occupied in 1967. At that time the facilities were comprised of the administration, gymnasium, library, maintenance, student center, and science buildings.

The two-story Frank G. Clement Building was completed in 1969, and the maintenance building was remodeled and enlarged in 1970. In 1971, the Jones Student Center was enlarged and an athletic track was built. In February 1972, the John W. Finney Memorial Library was completed. In the spring of 1976, the Health Sciences Building was completed. On August 10, 1989, the Natatorium, a mini-olympic indoor swimming pool, was dedicated. The most recent building, the Waymon L. Hickman Building, was completed in 2001. In 2011 Columbia State completed a redesign of the original Natatorium into a Wellness Center.

In January 1988, Columbia State began offering courses in the Yates Vocational Center in Franklin. In 1994, the facility was transferred to the Tennessee Board of Regents, providing a

permanent location for the College's Williamson County Center. Three additional semi-permanent sites have since been established in leased facilities: the Lawrence County Center, opened in 1988; the Lewisburg Site, opened in 1996; and the Clifton Site, opened in 1997.

The Northfield Workforce Development and Conference Center opened in 2011. Columbia State offers courses at this site currently. The Advanced Integrated Industrial Technology (AIIT) and Emergency Medical Services (EMS) programs exist at this site and these program faculty maintain regular office hours at this location. For more information about the AIIT program call (931) 540-2711. For more information about EMS programs call (931) 626-3883.

Campus Locations

Columbia Campus

The Columbia campus provides access to educational offerings for students from Maury County and surrounding areas. It also houses the president's office and the administrative offices for academic and student programs and services, advancement, and financial and administrative services. The campus is located at 1665 Hampshire Pike at the intersection of State Highway 412 and Cayce Lane. For more information, call (931) 540-2722 or email columbia@columbiastate.edu.

Clifton Site

The Clifton Site, established to provide access to post-secondary education to the citizens of Wayne County and surrounding areas, is located at 795 Main Street at the intersection of Highway 114 and Main Street in Clifton, Tennessee. The site offers credit classes and degree programs, business and industry training, and other community services. The Clifton Campus serves as a Southern Middle Tennessee Entrepreneur Center (SMTEC), one of nine regional entrepreneurial accelerators that have been established throughout Tennessee to assist entrepreneurs. SMTEC provides mentoring, education and training, strategic and technical support, and assistance identifying sources of capital for small businesses. For more information, call (931) 676-6966; fax (931) 676-6941; or email clifton@columbiastate.edu.

Lawrence County Center

The Lawrence County Center offers traditional and nontraditional educational opportunities for the citizens of Lawrence County and the surrounding areas. Courses are offered throughout daytime, afternoon, and evening hours as well as Saturdays. Evening services are available during the regular semester. Workforce development non-credit classes are also available throughout the year. The Center is located adjacent to the Lawrence County High School campus at 1620 Springer Road, Lawrenceburg, Tennessee. For more information, call (931) 766-1600; fax (931) 766-1602; or email lawrenceburg@columbiastate.edu.

Lewisburg Site

The Lewisburg Site, located at 980 South Ellington Parkway in Lewisburg, offers credit classes for students in Marshall and surrounding counties. Additional non-credit training programs, both general interest and employment-related, are conducted throughout the year. For more information, call (931) 359-0351; fax (931) 560-4118; or email lewisburg@columbiastate.edu.

Williamson County Center

The Williamson County Center provides both traditional and nontraditional educational opportunities for the citizens of Williamson County and surrounding areas. Courses are offered throughout the day, afternoon, and evening hours as well as Saturdays. Additional non-credit programs, both general interest and employment related, are available throughout the year. The Center is located at 104 Claude Yates Drive, adjacent to Franklin High School, off Hillsboro Road in Franklin, Tennessee. For more information, call (615) 790-4400; fax (615) 790-4405; or email franklin@columbiastate.edu.

Evening Services

The Evening office, located in room 109 in the Warf Building on the Columbia campus, coordinates cohort programs and evening learning communities and assists in coordinating some evening student events and resources. This office is open 4:15 p.m. until 8:00 p.m. (Monday - Thursday). Questions about evening programs of study at the Columbia campus may be sent to eveningservices@columbiastate.edu. Evening services are also available at all of the College's campus locations.

Limitations and Reservations

The institution reserves the right to make changes as required in course offerings, curricula, academic policies and other rules and regulations affecting students. These changes will govern current and formerly enrolled students and will become effective whenever determined by the institution. Enrollment of all students is subject to these conditions.

The course offerings and requirements of this institution are continually under examination and revision. This catalog presents course offerings and requirements in effect at the time of publication but does not guarantee that they will not be changed or revoked. However, adequate and reasonable notice will be given to students affected by any changes. This catalog is not intended to state contractual terms and does not constitute a contract between the student and the institution.

Current information about offerings and requirements may be obtained from the following offices:

- Admission Requirements: Admissions office
- Course Offerings: Department or division offering the courses
- Degree Requirements: Records office
- Fees and tuition: Business Services office

Columbia State provides the opportunity for students to increase their knowledge by providing programs of instruction in the various disciplines and programs through faculty who, in the opinion of the College, are trained and qualified for teaching at the college level. However, the acquisition of knowledge by any student is contingent upon the student's desire to learn and his or her application of appropriate study techniques to any course or program. The institution does not warrant or represent that any student who completes a course or program of study will necessarily acquire any specific skills or knowledge or will be able to successfully pass or complete any specific examination for any course, degree, or license.

Misrepresentation of Academic Credentials

It is a Class A misdemeanor to misrepresent academic credentials. A person commits the offense of misrepresentation of academic credentials who, knowing that the statement is false and with the intent to secure employment at or admission to an institution of higher education in Tennessee, represents, orally or in writing that such person:

1. Has successfully completed the required course work for and has been awarded one or more degrees or diplomas from an accredited institution of higher education;
2. Has successfully completed the required course work for and has been awarded one or more degrees or diplomas from a particular institution of higher education; or
3. Has successfully completed the required course work for and has been awarded one or more degrees or diplomas in a particular field or specialty from an accredited institution of higher education.

Nondiscrimination on the Basis of Gender in Education Programs and Activities

It is the policy of Columbia State that no person shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity on the basis of sex. Columbia State shall ensure that equal opportunity and nondiscrimination exist on the basis of sex for students in all education programs and activities, including but not limited to, the following: (1) recruitment and admission; (2) academic, extracurricular, research, occupational training, health-related training, and other education programs; (3) rules on student life activities; (4) housing; (5) facilities; (6) access to course offerings; (7) counseling; (8) financial assistance; (9) employment assistance; (10) health and insurance benefits and services; (11) rules on marital or parental status; and (12) athletics.

Inquiries concerning this statement, its application to students, or any regulations subsequently developed should be directed to the Director of Human Resources, Room 116, Pryor Administration Building, Columbia State Community College, 1665 Hampshire Pike, Columbia, TN 38401, (931) 540-2521.

Admission to the College

Columbia State Community College offers many different opportunities for education. All individuals are encouraged to attend as either credit or non-credit students.

In order to be admitted as a credit student, individuals must meet the requirements of admission to the category in which they are applying. These requirements differ depending on the type of admission chosen. The requirements reflect the academic background and/or basic academic competencies required to succeed in the various courses and programs.

Some specialized programs have specific admission requirements in addition to the College's general admission requirements. Acceptance to the College does not constitute admission to these programs (see "Programs with Special Admission Requirements," p. 20).

Individuals wishing to take non-credit courses do not need to apply for admission but may enroll directly through the Center for Workforce Development (see "General Requirements for Admission to Non-Credit Courses," p. 19).

Admission application services are available on the Columbia campus and at the administrative offices at all of the College's campus locations.

Selective Service

All U.S. citizens and non-citizens 18 through 25 years of age residing in the United States must register with Selective Service prior to registering for classes at the College. This does not apply to those exempt by federal law including females, non-immigrant aliens on student, visitor, tourist or diplomatic visas, and active duty military. Contact the Admissions office for a detailed listing of Selective Service exemptions.

Medical or Health Information

Columbia State requires all applicants for admission to provide health information that, as a minimum, establishes the applicant's compliance with Rules promulgated by the Tennessee Department of Health regarding requirement for immunization against certain diseases prior to attendance at a higher education institution, and compliance with the latest standards for immunization for meningococcal disease as set forth by the recommended immunization schedule issued by the Center for Disease Control Advisory Committee on Immunization Practices.

Effective June 1, 2011, proof of immunization with two doses of Measles, Mumps, and Rubella (MMR) and Varicella (chickenpox) vaccines administered on or after the first birthday is required for full-time students, defined as students taking 12 hours or more of academic credits. Certain students are exempt from this requirement. Contact the Admissions office at (931)-540-2790 or www.columbiastate.edu/admissions for a current list of exemptions.

By state law (TCA § 49-6-5001), immunizations are not required if they "conflict with the parents' or guardians' (or individuals over 18) religious tenets and practices, affirmed under penalties of perjury." A *Certificate of Immunization* form, completed and signed by a licensed doctor of medicine or osteopathy, or an official copy of a State Health Department or military immunization record, must be returned to the Admissions office. Students who do not provide the

properly completed certificate prior to registration for their second semester will not be allowed to register until acceptable documentation is on file. Once the documentation is on file, the Records office will not issue or reproduce immunization or medical records from these agencies. Requests for this information must be directed to the issuing agency concerned.

The General Assembly of the State of Tennessee mandates that each public or private postsecondary institution in the state provide information concerning Hepatitis B infection to all first-time entering students. Tennessee law requires that such students complete a waiver form provided by the College that includes detailed information about the disease. All entering first-time students must complete this form before they will be allowed to enroll in classes.

The Tennessee Eligibility Verification for Entitlement Act

The Tennessee Eligibility Verification for Entitlement Act (EVEA) [TCA 4-58-101 seq.] requires public institutions of higher education to verify that persons seeking a "state benefit" are either a "United States Citizen" or "lawfully present" in the United States.

The term "state benefit" includes in-state tuition, lottery scholarship, academic scholarship, common market, or any other form of tuition assistance or wavier funded with state- appropriated dollars. State benefit does not include tuition assistance funded privately, such as a scholarship from the institution's foundation or a privately endowed scholarship.

For more information on this act or documentation needed to verify "state benefit" eligibility, please contact the admissions office.

General Requirements for Admission to Credit Studies

The Admissions office is the unit responsible for administering admission policies of Columbia State Community College. The Admissions office coordinates both general and program-specific admission policies.

First-Time Applicants

To ensure adequate time for processing applications, the applicant should submit an *Application for Admission* and satisfactory scholastic credentials by the application deadline (see "Important Dates," p. 9) for the semester in which enrollment is planned. The applicant must include a list of all educational institutions attended beginning with high school. In general, admission to the College in credit studies is granted to qualified applicants only after all required documents are received by the Admissions office.

Returning Students

Students who have previously taken credit courses at Columbia State and who return to the College after being absent for one semester (excluding summer) must file an application for readmission with the Admissions office.

Students who have attended other institutions of higher education since last attending Columbia State must have all of these institutions send official transcripts to the Admissions office.

Admission Requirements for Specific Credit Classifications

Undergraduate Degree Students

Students who have selected a program of study and are pursuing a degree or certificate are classified as undergraduate degree students. This classification includes beginning freshmen, transfer students, and former Columbia State students.

Freshmen, Beginning Students are students who enroll in college for the first time and are working toward an undergraduate degree or certificate.

1. **High School Graduates** must meet the academic assessment requirements and submit the following:
 - a. a completed *Application for Admission*. Applicants are required to submit a one-time nonrefundable fee of \$10 with their initial *Application for Admission*.
 - b. an official transcript reflecting graduation from high school. The high school must forward the transcript directly to the Admissions office. Tennessee public high school graduates' transcripts must include a notation indicating the student passed any required state proficiency examinations. The transcript of a home school student should be an official copy from an affiliated organization as defined by state law (TCA § 49-50-801). Transcripts from independent home school students must be accompanied by certification of registration with the superintendent of the local education agency, which the student would otherwise attend. Students unable to provide a satisfactory secondary school credential may substitute an acceptable High School Equivalency Diploma (GED[®] or HiSET[®]).
 - c. ACT or SAT test scores (required of those under 21 years of age and others seeking admission to selected programs). These scores are used only for advancement and placement.
2. **Non-High School Graduates** (students who have not graduated from high school) must comply with academic assessment requirements and must:
 - a. be at least 18 years old.
 - b. submit a completed *Application for Admission*. Applicants are required to submit a one-time nonrefundable fee of \$10 with their initial application for admission.
 - c. submit an official transcript of scores for the High School Equivalency Diploma (GED[®] with a composite score of a least 450 or HiSET[®] with a composite of at least 45 and no sub-test score below 8.) Certified copies must be forwarded directly to the Admissions office at Columbia State from the issuing agency.
 - d. submit ACT or SAT scores (required of those under 21 years of age and others seeking admission to selected programs). These scores are used only for advancement and placement.

Transfer Students are students that have been previously enrolled in an institution of higher education other than Columbia State. Transfer students must be eligible to reenter the school from which they are transferring. Students who are on current dismissal from a previous institution may be admitted as a transfer student on probation.

After application is made to Columbia State and all supporting documentation is received, transfer credit evaluations are conducted (see "Acquiring Credit," in the Academic information section p. 36).

All transfer students must:

1. submit a completed *Application for Admission*. Applicants are required to submit a one-time nonrefundable fee of \$10 with their initial *Application for Admission*.
2. submit official transcripts from all previously attended institutions of higher education. Certified copies must be forwarded directly to the Admissions office at Columbia State from the issuing institution. Transcripts carried by the student may be used for advising and course selection but are not acceptable for full admission and transfer of credit.
3. submit an official high school transcript showing graduation or a High School Equivalency Diploma (GED[®] with a composite score of a least 450 or HiSET[®] with a composite of at least 45 and no sub-test score below 8) if less than 60 semester credits have been transferred, or when deemed necessary for placement.
4. undergo assessment and placement if the student does not meet a stated course prerequisite or basic academic competencies.
5. students with ACT or SAT scores that are dated within three years of the first class day of the semester for which the student plans to enroll may choose to submit such scores for use in assessment of academic placement.

Non-Degree Students

Students who enter the College for professional development and personal enrichment and are not presently pursuing a degree are classified as non-degree students. This classification includes audit, undergraduate special students, adult special students, transient students, and high school students.

Non-degree students are required to undergo assessment and placement if they do not meet a stated course prerequisite or basic academic competencies.

Non-degree students cannot become candidates for a degree or certificate until they have changed their classification to undergraduate degree student.

High school students admitted as non-degree students who wish to continue at Columbia State after graduation from high school must reapply for admission and be formally admitted to the College as degree students. Non-degree students who have previously taken credit courses at Columbia State and who return to the College after being absent for one semester (excluding summer) must file an application for readmission and submit any required documentation.

Audit Students are students who wish to sit in a credit course without earning credit. Students who wish to audit a course(s) must obtain approval of the dean of the academic division in which the course(s) is offered. Approval is granted on an individual class basis according to available space and is limited to unrestricted classes. Students are required to complete an *Application for Admission*. Applicants are required to submit a one-time nonrefundable fee of \$10 with their initial *Application for Admission*.

Prior to the last day to add a class a student may change from audit to credit; however, all admission requirements must be met. Credit students wishing to change to audit in lieu of dropping a course may do so by following the proper procedures for a change of registration status.

Undergraduate Special Students are students who have graduated from high school or who have earned a High School Equivalency Diploma (GED[®] with a composite score of at least 450 or HiSET[®] with a composite of at least 45) but do not wish to be admitted as undergraduate degree students. Students are required to complete an *Application for Admission*. Applicants are required to submit a one-time nonrefundable fee of \$10 with their initial *Application for Admission*.

Students who **have not attended** an institution of higher education must submit an official high school transcript or High School Equivalency Diploma (GED[®] or HiSET[®]). Students who **have attended** an institution of higher education must submit an official transcript from the last institution attended.

Undergraduate special students are not eligible for financial assistance. Additionally, undergraduate special students are not eligible for English or mathematics courses or for courses that have English or mathematics prerequisites unless appropriate test scores or prior college coursework is presented and evaluated.

Adult Special Students are students at least 21 years of age who have not graduated from high school, or have not earned a High School Equivalency Diploma (GED[®] with a composite score of at least 450 or HiSET[®] with a composite of at least 45 and no sub-test score below 8) and who do not wish to be admitted as undergraduate degree students.

Adult special students must present realistic academic goals for the attainment of particular skills or knowledge through selected courses and:

1. schedule an interview with the Chief Enrollment Services Officer (or designee) or the Director of the center/site where the student plans to attend.
2. submit a completed *Application for Admission*. Applicants are required to submit a one-time nonrefundable fee of \$10 with their initial *Application for Admission*.

Transient Students* are degree students enrolled in good standing at another college or university who wish to attend Columbia State for one specific semester and transfer the work back to the parent institution. A student who has been accepted at a college or university but is to begin enrollment at a later semester may also qualify as a transient student.

An *Application for Admission* and a Transient Student Approval Form signed by the primary institution must be submitted to the Admissions office to ensure that a transient student has the required background and is eligible to enroll in a course or courses. Transient applicants may also submit office college transcript(s) if desired. Applicants are required to submit a one-time nonrefundable fee of \$10 with their initial *Application for Admission*.

**Limitations: This classification may be used for only one semester unless special permission is given by the Chief Enrollment Services Officer.*

High School Students

High school students may be eligible to enroll in college courses as non-degree students while completing high school. They may take classes as approved by their high school and for which they meet the prerequisites as defined in the Columbia State catalog (see the "Course Descriptions" section, p. 181.)

Courses will not be expected to count toward the student's high school diploma unless the student has made prior arrangement with the high school and/or local board of education. Eligible students may take classes at any location where Columbia State offers classes.

Upon graduation from high school, students must complete an application and be readmitted to the College. **Dual Enrollment students may not take Learning Support courses.**

Dual Enrollment Students - To be eligible for transfer college courses, students:

1. must be enrolled as a 11th, or 12th grade student in a Tennessee public or nonpublic secondary school, or in a home education program.
2. may enroll in a specific course based on the course's specific placement requirements as determined by the college.
3. must enroll in high school approved dual enrollment courses in the general education core, Tennessee Transfer Pathways leading to a degree Career and Technical Program of study leading to an academic award, or middle college or equivalent program.
4. must secure parental permission and high school approval.
5. submit a *Dual Enrollment Application*. Applicants are required to submit a one-time nonrefundable fee of \$10 with their initial *Application for Admission*.
6. submit an official high school transcript.

To continue in dual enrollment, students must maintain a 2.0 cumulative college GPA.

Academically Talented and Gifted Students - High school students in grades 9 through 12 who are academically talented/gifted may qualify under Chapter 395 of the Public Acts of 1983 as follows:

"Academically talented/gifted students enrolled in grades 9, 10, 11, or 12 in public or private schools in Tennessee may with the recommendation and approval of the high school principal and appropriate higher education institution personnel, enroll in and receive regular college degree credit from a Tennessee post-secondary institution if such a student has a grade point average equivalent to 3.2 on a 4.0 maximum basis and if such placement is a part of the student's planned Individual Education Program (IEP) as established by the multi-disciplinary team process."

Academically talented/gifted students must submit the following:

1. completed *Application for Admission*. Applicants are required to submit a one-time nonrefundable fee of \$10 with their initial *Application for Admission*.
2. signed letter of consent from student's parent/guardian.
3. official high school transcript.
4. signed letter of recommendation/consent from the high school's principal which includes verification that coursework with Columbia State is required in the student's Individual Education Program (IEP).

International Students

This school is authorized under Federal law to enroll non-immigrant students. Students must submit the following before admission and issuance of an I-20 form to apply for a F-1 student visa will be considered:

1. completed *Application for Admission*. Applicants are required to submit a one-time non-refundable fee of \$10 with their initial *Application for Admission*.
2. official copies of academic records from secondary schools, colleges, or universities accompanied by notarized or certified English translation of these documents. Minimum admission requires completion of the secondary school. A syllabus for each class to be considered for course substitution should accompany college transcripts.
3. all applicants whose native language is not English must submit Test of English as a Foreign Language (TOEFL) scores or its equivalent directly from the testing agency. Scores more than two years old are not acceptable. The minimum score of 500 is required on the paper based TOEFL, 173 on the computer based TOEFL or 61 on the internet based TOEFL. Additional institutional placement assessment may be required of all international students.
4. financial support to show financial capability of first year fees which consist of the current cost of attendance for an out-of-state, full-time, off campus housed student. Amounts typically increase each year. Expenses do not include tuition/fees for the optional summer term. Transportation to/from the College is not included. Additional funds are required for spouse and or dependents.
5. tuberculosis immunization certification from a licensed physician or other qualified medical authority; must be certified 30 days prior to registering. Failure to submit such certification shall result in denial of further enrollment or admission. In the event that a student either has tuberculosis or has potential tuberculosis requiring medical treatment, continued enrollment will be conditioned upon the determination by a licensed physician that further enrollment does not present a risk to others and upon the student's compliance with any prescribed medical treatment.
6. proof of two doses of Measles, Mumps, and Rubella (MMR) and Varicella (chickenpox) vaccines.
7. complete a waiver form provided by the College that includes detailed information about Hepatitis B infection.
8. documentation substantiating official status with the US Citizenship and Immigration Service (Passport, Visa, I-20s, I-94, etc.).

Additional requirements for admission include:

1. as a condition of admission and continued enrollment, students must purchase health insurance coverage through the TBR's Student/Scholar Health and Accident Insurance Plan if they do not otherwise have adequate coverage. Adequate coverage shall mean that the student's coverage meets or exceeds the level of coverage provided to participants in the TBR's Student/Scholar Health and Accident Insurance Plan.
2. students must become familiar with the regulations of the US Citizenship and Immigration Service and assume responsibility for complying with these regulations. Documents are due to the Admissions office by November 15 for the spring semester or July 15 for the fall semester.

Permanent Residents - International students who are permanent residents must submit a copy of the front and back of their permanent resident card and meet all applicable admission

requirements stated for classification as undergraduate degree students or non-degree students.

General Requirements for Admission to Non-Credit Courses

Individuals register for non-credit courses through the Center for Workforce Development office. For more information, call (931) 540-2659. Admission to the College is not required. Admission is required, however, if a non-credit student wants to enroll in a credit course (see "Admission Requirements," p. 16). The Center for Workforce Development office awards continuing education units to participants of qualifying non-credit courses.

Additional Admissions Requirements for Transfer Programs (A.A., A.S.)

Tennessee Board of Regents and University of Tennessee Admission Standards

Admission will be granted to freshmen applicants who hold a recognized high school diploma and/or meet any additional requirements as stated below. The diploma will reflect a distribution of college preparatory courses, such as those required in the core elements of the Tennessee High School Diploma. These courses include the following:

English	4 units
Mathematics	
Algebra I and II	2 units
Geometry or Higher.....	1 unit
Additional Math	1 unit
Natural Science	3 units
United States History*.....	1 unit
European History, World History	1 unit
<u>or</u> World Geography	
Single Foreign Language	2 units
Visual <u>or</u> Performing Arts	1 unit

*Required by TCA § 49-7-110. Students deficient in the completion of United States History are required to complete six semester hours of United States History or three semester hours of United State History and three semester hours of Tennessee History.

Policy and Procedures for Mandatory Placement of Students

All students seeking credit must meet mandatory assessment and placement requirements prior to registering for courses with placement requirements.

Students scoring 19 or above on the ACT reading with ACT English subscores of 18 or above and ACT math subscores of 19 or above (SAT: 460 verbal, 460 math) are eligible to pursue college-level credit courses. Students who do not have scores sufficient to place into college-level courses will be placed into Learning Support and corequisite college-level courses accordingly. Students scoring below 13 on the ACT Reading, English or Math subscores will not be eligible to enroll in the corresponding Learning Support courses. These students should visit the Learning Support web page for recommended steps to improve

placement. For placement purposes, ACT or SAT scores must be dated within three years prior to the first day of the first semester of enrollment.

Transfer students who have credit in college-level math have met math and reading placement requirements. Transfer students who have credit in college-level English have met English and reading placement requirements. Transfer students who have credit earned and posted in any approved general education college level course have met reading placement requirements. Students who do not have appropriate scores are required to take either the ACT, SAT or COMPASS test.

Students will be allowed only one opportunity to challenge scores on the placement tests used by Columbia State for purposes of placement into college-level classes. Students may challenge the scores by taking a Columbia State administered placement test (currently the computer-generated COMPASS exam or, as needed, the pencil and paper version ASSET). The challenge exam cannot be completed on the same day as the initial placement testing. Fees for challenging placement are the responsibility of the student.

Students whose test results indicate no deficiencies in the basic academic competencies are permitted to enroll in college-level courses. Students will not be permitted to enroll in any course which has a stated prerequisite of one of the basic academic competencies until they have successfully completed the appropriate the required Learning Support competencies.

Programs with Special Admission Requirements

Health Science Programs

The following health science programs require admission to the program after being admitted to the College:

- Computed Tomography Certificate
- Emergency Medical Services
 - Emergency Medical Technology (Basic)
 - Advanced Emergency Medical Technology (AEMT)
 - Paramedic
- Nursing
- Radiologic Technology
- Respiratory Care
- Veterinary Technology

There is a deadline by which applicants must submit their applications to the appropriate health science program director. The deadline dates for each program are listed in the catalog and published program materials.

Students interested in gaining admission to a health science program should follow the procedures listed below:

1. Apply for admission to the College as outlined on page 16 of the Catalog.
2. Apply for admission to the specific program as outlined by the specific program admission procedures in the catalog and published program materials.

Health Science programs require completion of any required Learning Support course work prior to program application and admission. Review published program materials carefully regarding prerequisite courses.

After the student has completed all college and program admission requirements, the student's application will be reviewed by the program's admissions committee. The program director will notify all students in writing concerning the disposition of their application. Class size is limited by space availability. Acceptance is not automatic, and continuation after admission is not guaranteed. Student progress is continually evaluated. (See the continuation policy in the catalog description of each health science program.) Students enrolled in these programs must participate in clinical experiences at various hospitals, clinics, laboratories, professional offices and/or other types of facilities. Transportation to and from these clinical experiences is the sole responsibility of the student. Columbia State does not assume liability for personal injury or property damage incurred while en route to and from these facilities.

Students in Computed Tomography, Advanced Emergency Medical Technology, Emergency Medical Technology (Basic), Emergency Medical Technology-Paramedic, Nursing, Radiologic Technology, and Respiratory Care programs must have malpractice insurance. Students will be assessed malpractice insurance fees at the time of registration. The program director will provide information about such coverage.

Students may also be required to carry personal health insurance while enrolled in the health science programs.

Criminal background checks and routine drug screens are required by several clinical training sites as condition of participation in clinical education. Based on the results of the criminal background check, a clinical affiliate may determine to not allow one's presence at their facility. This could result in a student's inability to successfully complete the requirements of a specific course and the program. Additionally, a criminal background may preclude licensure or employment. More information is available from the program director.

Health Science programs may entail specific physical demands as required by the program's accrediting agency. For more information regarding these, please contact the appropriate program director.

Commercial Entertainment Program

Commercial Entertainment students must exhibit proficiency in at least one of four areas: dance, drama, singing or music. Students must be physically able to participate in all four areas. Admissions requirements are listed with the Commercial Entertainment Certificate Program.

Film Crew Technology

Film Crew Technology students must be able to visually assess colors and be able to determine the difference between Red, Black, Blue, Green and White. Admissions requirements are listed with the Film Crew Certificate Program.

Institutional Fees and Refunds

The following table provides cost details for the 2015-2016 academic year:

Application Fee	Cost
Applicants are required to submit a one-time non-refundable fee with their initial Application for Admission. An application fee is not assessed for non-credit courses.	\$10
Maintenance Fees	Cost
In State Students See "Registration Fees - Tennessee Residents", p. 23 for more information.	\$152 per semester hour up to 12 hours
	\$30 per hour for all additional hours (13+)
Out-of-State Students See "Non-residents of Tennessee", p. 23 for more information.	\$627 per semester hour up to 12 hours
	\$125 per hour for all additional hours (13+)
Summer Term Fees	Fees and expenses for the summer term are assessed strictly on a per-semester-hour basis with no maximum.
Late Registration Fee	\$25
A non-refundable late fee will be assessed for any student who does not complete registration within the period designated by the College. <i>Exceptions:</i> 1. A late registration fee is not assessed when registering late in any non-credit course. 2. A late registration fee will not apply to classes where it is deemed necessary by the director of records that further recruiting is required in order to develop the class.	
Regents Online Degree Program (RODP) Course For more information, go to "Tuition and Fees" at www.rodpc.org	Cost
In State Students	\$152 per hour, no maximum
Out-of-State Students	\$627 per hour, no maximum
Online Course Fee	\$61 per hour, no maximum
General Access Fees	Cost
Campus Access Fee This non-refundable fee is included in the registration fees and covers the cost of one parking decal. Additional decals may be purchased at a cost of \$1 per decal.	\$10 per semester
International Education Fee This fee is charged to support international educational opportunities and experiences. These fees are refundable only in situations where maintenance fees are refunded at 100%.	\$10 per semester
Student Activity Fee This non-refundable fee is charged to support student activities.	\$3 per semester
Technology Access Fee This fee is included in the registration fees. This fee is non-refundable except in situations where maintenance fees are refunded at 100%.	\$10 per semester hour or \$112.50 maximum per semester

Specialized Course Fees	Cost
Advanced Integrated Industrial Technology (AIIT) Academic Course Fee	\$37 per credit hour
Health Sciences Academic Course Fee Courses include: Emergency Medical Services, Nursing, Radiologic Technology, Respiratory Care, and Veterinary Technology.	\$25 per credit hour
Columbia State Internet Course Fee (Web-Asynchronous)	\$38 per credit hour
Individual Music Instruction Fee This fees is charged for all individual instruction courses in music. Music fee will be refunded on the same basis as maintenance fees.	\$60 per credit hour
Other Fees (Non-refundable)	Cost
Credit by Exam fee Charged for each exam a student takes to obtain "Credit by Exam".	\$25 per course
Credit for Prior Learning Fee Charged for any credit awarded for prior learning.	\$15 per credit hour
Parking Fines - All parking fines are payable in the Business Services office and double if not paid before the semester ends. Student records be encumbered until all fines are cleared. Appeals should be submitted to the associate vice president for student services in writing within five (5) days from the date of the citation.	
Books and Supplies Since the cost of books and supplies varies from one program to another and from semester to semester, only an average book cost can be included in the Catalog. The average cost of books and supplies is approximately \$700 per semester. Books and supplies may be purchased from the Barnes & Noble College bookstore located on the Columbia and Franklin campuses.	
Replacement of Lost ID Card	\$1
American College Testing (Residual)	\$38
CLEP	\$105
Compass Challenge Fee	\$20
High School Equivalency Exam: HiSET®	\$75
High School Equivalency Exam: GED®	120
Non-Tennessee Board of Regents Proctoring Services	\$25
Nursing Challenge Exam	\$220
Nursing Challenge Exam Optional Portion	\$170
Pearson Vue®	Varies according to the test
Praxis Series: Core Academic Skills for Educators	Varies according to the test
Non-Credit Courses	Cost
The Center for Workforce Development publishes course fees in its non-credit schedule each semester. The fee for a course is based on length, instructor payment, and other cost-related factors.	

General Information

Fees listed in this catalog are subject to change without notice. The College, in conjunction with the Tennessee Board of Regents, reserves the right to add, delete, or change fees for admission to the College or for services rendered by the College at any time without prior notice to the public.

Expenses are assessed and payable by the semester since each semester is a separate unit of operation. Registration is not complete until all fees have been paid (which means all checks have cleared the bank), and no student may be admitted to classes without having met his or her financial obligations. The Business Services office on the Columbia campus or the administrative office at any of the College's campus locations will accept payment by cash, check, MasterCard, Visa, American Express or Discover Card. There is a \$30 non-refundable charge for any returned check given to the College. No student may enroll, graduate, or receive a transcript until all accounts are settled. The term "account" includes any indebtedness to the College.

To help meet educational expenses each semester, Columbia State offers the opportunity to enroll in an automatic payment plan through QuickPAY. It is not a loan; therefore, there is no debt and no interest or finance charges are assessed. A \$25 per semester nonrefundable fee is required. Payments are automatically deducted on the 5th of each month (except for summer semester which is deducted on the 20th) from a designated checking or savings account, or the student may have the payment charged to a credit card. For more information go to www.mycollegepaymentplan.com/csc.

Student identification (ID) cards are issued to all students at no charge. This ID card is required of students for identification, computer lab use, checking out library materials and some bookstore purchases. Additionally, it allows a student to attend all College activities open to the student body at no charge or at student rates.

Expenses

Registration Fees - Tennessee Residents

Maintenance fees are assessed on a per-semester-hour basis. Maintenance fees are determined annually by the Tennessee Board of Regents.

Exceptions:

1. Certain statutory fee exceptions exist for dependents and spouses of military personnel who were killed, died as a direct result of injuries received, or were officially reported as being either a prisoner of war or missing in action while serving honorably as a member of the United States armed forces during a qualifying period of armed conflict. Contact the Financial Aid office to verify eligibility.
2. Persons who are totally disabled, persons 65 years of age or older, and persons reaching 65 during the semester who are domiciled in Tennessee are eligible to enroll in courses for credit at a reduced rate; however, all other special and incidental fees apply.
3. Totally disabled persons and persons 60 years of age or older who are domiciled in Tennessee are eligible to enroll in courses, subject to space available, as audit students without payment of tuition, maintenance, or registration fees.

However, the application fee is required. These students must contact the Records Office to register and can register only after the due date of Tuition/Fee Payment (see "Important Dates", p. 9).

4. Maximum fees do not apply to special offerings between terms, concentrated courses during a term, and summer term courses.

Audit Students

Students enrolling in regular college classes on an audit basis are required to pay the same fees as those enrolling for credit, except those 60 years of age or older and/or totally disabled persons as noted above.

For purposes of 2 and 3 above, a totally disabled person is defined as a person "suffering from a permanent total disability which totally incapacitates such person from working at an occupation which brings him/her an income." This definition is established by law and cannot be modified by the Tennessee Board of Regents or the College. Persons who believe they qualify under this definition should contact the coordinator of disability services for more information.

Non-residents of Tennessee - Residency Classification

Residency decisions are in compliance with the Tennessee Board of Regents Policy No. 3:05:01:00 entitled Regulations for Classifying Students in In-State and Out-of-State for the Purposes of Paying College or University Fees and Tuition and for Admission Purposes. Students are classified as in-state or out-of-state for the purpose of assessing fees and tuition based on regulations established by the Tennessee Board of Regents. Contact admissions or enrollment services for a copy of the policy and residency application.

The Tennessee Eligibility Verification for Entitlement Act (EVEA) [TCA 4-58-101 seq.] requires public institutions of higher education to verify that persons seeking a "state benefit" are either a "United States Citizen" or "lawfully present" in the United States.

The term "state benefit" includes in-state tuition, lottery Scholarship, academic scholarship, common market, or any other form of tuition assistance or waiver funded with state- appropriated dollars. State benefit does not include tuition assistance funded privately, such as a scholarship from the institution's foundation or a privately endowed scholarship.

For more information on this act or documentation needed to verify "state benefit" eligibility, please contact the admissions office. The responsibility for residency classification rests with the Enrollment Services Operations Manager and all requests must be sent to the admissions office. Residency classification may be appealed to the associate vice president for student services.

Returned Checks (Tuition, fees, etc.)

The Columbia State Business Services office will notify the student immediately upon receipt of returned or non-negotiable checks. The student will have 10 days to redeem returned checks.

In addition to all other unpaid tuition, fees, etc., the student will be required to pay: (1) the late registration fee and (2) the returned check fee. If the student does not pay the required fees within the time allotted, his or her registration will be voided.

Students are not officially registered until all tuition and fees, including any and all assessed fees outstanding from prior enrollment, are paid.

e-Rate

1. The e-Rate is available to students who enroll at TBR institutions, who are classified as non-residents of Tennessee, and who are enrolled exclusively in online courses.
2. The e-Rate is 150% of the institution's approved maintenance fee rate.
3. To qualify for an e-Rate, students must
 - a. meet all institution admission requirements, and
 - b. be verified as an online out-of-state student enrolled exclusively in courses delivered by a procedure documented by the institution.
4. Students enrolled in any type courses (on-ground, telecourse, distance education, etc.) other than online will not be eligible for the e-Rate specified in this guideline and will instead incur traditional non-resident fees and charges. Students who enroll in both online courses and other type courses and subsequently drop the other type courses will not then become eligible for the e-Rate.

Institutional Refunds

1. Maintenance Fee Refunds and Adjustments
 - a. Refunds are 100% for courses canceled by the institution.
 - b. Changes in courses involving the adding and dropping of equal numbers of student credit hours for the same term at the same time require no refund or assessment of additional maintenance fees.
 - c. The fee adjustment for withdrawals or drops during regular terms (fall and spring) is 75% from the first day of classes through the fourteenth calendar day of classes and then reduced to 25% for a period of time which extends 25% of the length of the term. There is no fee adjustment after the 25% period ends. Dropping or withdrawing from classes during either the 75% for the 25% fee adjustment period will result in a fee adjustment of assessed maintenance fees based on the total credit hours of the final student enrollment as described in item j. below.
 - d. For summer sessions and other short terms, the 75% fee adjustment period and the 25% fee adjustment period will extend a length of time which is the same proportion of the term as the 75% and 25% periods are of the regular terms.
 - e. All fee adjustment periods will be rounded to whole days and the date on which each fee adjustment period ends will be included in publications. In calculating the 75% period for other than the fall and spring and in calculating the 25% length of term in all cases, the number of calendar days during the term will be considered. When the calculation produces a fractional day, rounding will be up or down to the nearest whole day.
 - f. A full refund (100%) is provided on behalf of a student whose death occurs during the term. Any indebtedness should be offset against the refund.
 - g. A 100% refund will be provided for students who enroll under an advance registration system but who drop a course or courses prior to the beginning of the first day of class.

- h. A 100% refund will be provided to students who are compelled by the institution to withdraw when it is determined through institutional error they were academically ineligible for enrollment or were not properly admitted to enroll for the course(s) being dropped. The director of records must certify in writing that this provision is applicable in each case.
 - i. When courses are included in a regular term's registration process for administrative convenience, but the course does not begin until later in the term, the 75% and 25% fee adjustment periods will be based on the particular course's beginning and ending dates. This provision does not apply to classes during the fall or spring terms which may meet only once per week. Those courses will follow the same refund dates as other regular courses for the term.
 - j. The fee adjustment is calculated as the difference between (1) the cost of originally enrolled hours and (2) the per credit hour cost of the courses at final enrollment after adjustments have been applied for all courses dropped. Adjustments are calculated at the full per credit hour rate less the fee adjustment credit at the applicable fee adjustment percentage (regardless of the original number of hours enrolled) with total costs not to exceed full-time tuition. For students dropping courses resulting in a change from full-time status to part-time status, a fee adjustment in the tuition and fees will result only if the new calculated charges are less than the original charges. Not all drops/withdrawals will result in a fee adjustment.
2. Out-of-State Tuition Refunds and Fee Adjustments

The fee adjustment provision for out-of-state tuition is the same as that for maintenance fees. A 75% fee adjustment period and the 25% fee adjustment period will follow the same dates as the fee adjustment periods for maintenance fees. When 100% of maintenance fees are refunded, 100% of out-of-state tuition is also refunded. Calculation procedures are the same as those specified for maintenance fees.

The president of the College has the authority to determine, on an individual basis, the applicability of the above refund procedures in instances of unusual circumstances.

Financial Assistance

General Information

Columbia State offers grants, scholarships, loans and part-time work to students who qualify. In most cases, the Free Application for Federal Student Aid (FAFSA) is used to determine a student's eligibility for financial aid. Only a few scholarships do not require completion of the FAFSA. All federal financial aid assistance programs plus many state and institutional require completion of the FAFSA.

Regulations and funding for institutional-, state-, and federally-supported programs are subject to change. Columbia State reserves the right to administer the programs accordingly.

Financial aid applications and forms are available on the web at www.columbiastate.edu/financialaid, in the Financial Aid Office, Jones Student Center, Columbia campus, or in the administrative office at any other college campus location.

Programs that Columbia State offers include:

- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant
- Federal Work-Study and Institutional Work-Study
- Federal Direct Loans
- Federal Direct Parent Loans (PLUS)
- State of Tennessee Grants and Scholarships, including Tennessee Student Assistance Award and HOPE
- Tennessee Promise Scholarships
- Various Academic and Performance Scholarships
- VA Educational Benefits

Some of these programs are need-based. Financial need is calculated by a formula based on nationally determined standards. The following formula is a simplified explanation of financial need:

Educational Costs - Expected Family Contribution = Financial Need

Educational costs (Cost of Attendance) consist of tuition and fees; books and supplies; room and board; transportation, personal and other school related expenses. The expected family contribution is what the student/spouse or student/parents should be able to contribute toward educational costs. The costs in this formula are determined by each school, and the expected family contribution is determined by standard calculations based on information from the Free Application for Federal Student Aid (FAFSA). A student may require additional money to attend school, but not have financial need as defined by the federal government.

Need analysis is determined by the U.S. Department of Education by using information provided on the FAFSA. The FAFSA is used to determine student eligibility for federal, state, institutional, and private financial aid programs. The FAFSA may be filed after January 1 each year and at the very latest, must be received by June 30 of the following year.

NOTE: Students who already have a baccalaureate degree are not eligible to receive Federal Pell Grant.

Application Procedures

To apply for most financial aid programs, a student must:

1. Complete and submit the Free Application for Federal Student Aid (FAFSA) at www.fafsa.ed.gov using Columbia State's school code (003483) after January 1 of each year.
2. The FAFSA must be completed by March 15 to be considered for priority aid at Columbia State. Priority processing is July 1 to submit any new documents including verification to assure the Financial Aid Office has sufficient time to complete awarding.
3. An additional application is required for Federal Work Study and Federal Direct Loans and may be obtained from the Columbia State financial aid web site or in the Financial Aid office. These should be submitted by the priority processing date as listed each semester in the catalog.
4. An additional state application is required for Tennessee Promise. More information is available at www.tnpromise.gov about the November 1 deadline for this application.

Methods of Selection

Applications received by March 15 will be given first priority. If there are remaining funds after this date, funds will be awarded on a first-come, first-served basis by the date the file is completed until funds are exhausted.

The Federal Supplemental Educational Opportunity Grant (FSEOG) is a non-repayable grant to help undergraduate students with exceptional financial need. Priority is given to Pell Grant recipients. Students must be Pell eligible, financially needy and awards are prorated based on hours participating in each semester.

FSEOG and Federal Work Study funds remaining at the end of Spring semester will be used to assist eligible students with Summer semester costs.

Federal Pell Grant funds are awarded as students are determined eligible.

Awarding of loans under the Federal Direct Student Loan Program are made following determination of eligibility upon student requests.

All state programs are awarded as students are determined eligible.

Eligibility

To be eligible for federal student aid, a student must meet all of the following criteria:

- Have a high school diploma or a High School Equivalency Diploma (GED® or HiSET®).
- Have a valid Social Security number.
- Have financial need.
- Be a U.S. citizen or eligible non-citizen.
- Be enrolled or accepted for enrollment for the purpose of obtaining a degree or certificate.
- Be registered with Selective Service, if required.
- Must certify that you will use federal financial aid only for educational purposes.

- Must not be in default on a federal student loan or must not owe money on a federal grant.
- Must not be incarcerated, except in specific exceptions as outlined in federal policy.
- Make satisfactory academic progress.

Federally Funded Financial Aid Programs

Federal Pell Grants - These funds provide financial assistance to eligible students who are pursuing an Associate's degree or certificate. The Federal Pell Grant is awarded based on financial need and eligibility is determined by the U.S. Department of Education based on the information provided on the FAFSA. The financial aid award is initially based upon full-time enrollment. If a student's enrollment changes the award will be prorated.

For less than full-time enrolled students, the Federal Pell Grant is prorated as follows:

	<u>Semester Credit Hours</u>
Full-time	12 or more
Three-Quarter Time	9-11
Half-Time	6-8
Less than Half-Time	1-5

Please note: Financial aid is not available for short-term certificates (less than 16 credit hours).

Federal Supplemental Educational Opportunity Grant -

Undergraduates with exceptional financial need may be eligible for these SEOG funds. Eligibility is determined by the Financial Aid office based on financial need and available funds. Pell eligible students with a "0" family contribution whose FAFSA was received by March 15 will receive first priority.

Federal Work Study - This program provides part-time employment for eligible students. To be eligible for a part-time job, a student must have a completed FAFSA on file, have financial need, and be making satisfactory academic progress. Students earn hourly rate (determined each award year). Federal work-study payroll is processed monthly and time sheets are due from the supervisors to the Business Office or Cashiers in the Pryor Building by the 15th of each month. Funds will be directly deposited into the student's bank account on the last working day of each month. Applications for employment are available on the Columbia State web site. All federal work-study students work in accordance with the schedule set by the supervisor. FWS work hours claimed must not be while students are scheduled to be in class or involved in an athletic event. Failure to fulfill the work schedule or perform satisfactory work will result in loss of employment.

Student Loans

Columbia State Community College participates in the William D. Ford Direct Student Loan Programs.

Federal Direct Student Loan (Subsidized) - Available to students who demonstrate financial need. Eligible students may borrow a subsidized Direct Loan to cover some or all of their educational needs. For the subsidized loan, the U.S. Department of Education pays the interest, while the student is in school at least half-time, for the first six months after leaving school (referred to as a "grace period"), and during a period of deferment (a postponement of loan payment). The amount of the subsidized loan cannot exceed the student's financial need.

Federal Direct Student Loan (Unsubsidized) - Does not require a student to demonstrate financial need. The U.S. Department of Education does not pay interest on unsubsidized loans. The financial aid department will determine the amount of the unsubsidized loan based on the cost of attendance minus other financial assistance. For an unsubsidized loan the student is responsible for paying the interest that accrues on the loan from the time the loan is disbursed until it is paid in full.

Depending on the student's financial need, a student may receive both the subsidized and unsubsidized loans for the same enrollment period, but the total amount of these loans may not exceed the annual loan limit.

Federal Direct Parent Loan for Undergraduate Students

(PLUS) - These loans are available to parents of dependent students regardless of income level if the parents have no adverse credit history. The annual loan limits are based on the cost of attendance minus other financial assistance. The loan will be made co-payable to the school and parents and repayment begins sixty (60) days after the disbursement.

Loan Disbursement

Federal Direct student loans are disbursed in two (2) equal payments and sent directly to Columbia State. First-time Freshman Borrowers will have a 30 day delay for first disbursement after the first day classes. Federal regulations require the school to verify the student is enrolled at least half-time (6 hours), is participating in classes and making satisfactory academic progress at the time of disbursement. Students receive notification when loan payments arrive.

NOTE: Columbia State Community College does not endorse any private student loans.

How to Apply

Columbia State Community College does not automatically package loans. In order to apply for a Federal Direct Loan a student must:

- Complete the FAFSA
- Complete a *Columbia State Direct Loan Request form* available at www.columbiastate.edu/financialaid.
- First-time borrowers to Columbia State must, also, go to www.studentloans.gov and:
 1. Complete Direct Loan Entrance Counseling, a tool to ensure a student understands the obligation to repay the loan.
 2. Sign Master Promissory Note (MPN), agreeing to the terms of the loan.
- Returning students who have never borrowed a Federal Direct Loan must, also, go to www.studentloans.gov and:
 1. Complete Direct Loan Entrance Counseling.
 2. Sign Master Promissory Note (MPN).

To apply for a Direct PLUS Loan:

- Parent will need to complete a Columbia State Direct PLUS Request form available at www.columbiastate.edu/financialaid.
- Complete the Direct Plus Loan Process at www.studentloans.gov.
- Endorse Direct PLUS Loan.

Priority processing for a fall loan is July 1 and for a spring loan is November 1.

Eligibility

In order to be eligible for a Federal Direct Loan (Subsidized and Unsubsidized), students must:

1. Be enrolled in at least six credit hours.
2. Be making Satisfactory Academic Progress.
3. Completed Direct Loan Entrance Counseling.
4. Have electronically signed Direct Loan Master Promissory Note.
5. Return Columbia State Direct Student Loan Request to the Financial Aid office.

In order to be eligible for a Federal Direct Parent Loan for Undergraduate Students (PLUS):

1. Student must have a completed FAFSA on file with Columbia State.
2. Student must be enrolled in at least six credit hours.
3. Student must be making Satisfactory Academic Progress.
4. Parent must return Columbia State Direct PLUS Loan application to the Financial Aid office.
5. Parent must have completed the PLUS Request Process and endorsed the Direct PLUS Loan with the Department of Education.

Delivery of Loan Proceeds

Schools are required to disburse all loan proceeds in at least two payments. Columbia State will verify that the student is still enrolled at least half-time (6 hours), attending class and making Satisfactory Academic Progress before funds are released. Disbursement dates will be posted on the Financial Aid web site.

If a student or parent wishes to cancel a loan and return the funds to the lender, the student or parent must send an e-mail to financialaid@columbiastate.edu or submit this information in writing to the Financial Aid office. Please note that NO loan funds are available for delivery prior to the first day of classes for any semester.

Veterans Information and Services

Columbia State is a DoD Voluntary Education Partnership Memorandum of Understanding (DOD MOU) school and cooperates with the Veterans Administration in providing educational opportunities for veterans and eligible persons desiring to attend Columbia State under appropriate federal legislation. Students receiving VA education benefits are required to meet the same standard of progress as all other students. Veterans should also be aware of the following additional responsibilities:

1. All veterans are required to complete a *Columbia State Veteran's Request for Certification* each semester of attendance. Failure to do so will result in one's enrollment not being certified for payment. Certification forms are available on the Financial Aid web site.
2. Federal regulations require a student to be seeking a degree/certificate in order to be eligible for veteran's benefits. Students may only take classes that apply to the degree/certificate they are currently seeking at Columbia State. Any other classes taken will not be certified for payment. Please refer to the degree and certificate requirements listed in the catalog for information on eligible classes for one's program.
3. VA will not certify Learning Support classes that are delivered entirely by online methods (Columbia State does not deliver on-line Learning Support classes.)
4. Veteran students being certified for certificate programs must meet the following progress standards:

- a. Attain a 2.0 GPA for the current semester, or
- b. Maintain a minimum cumulative GPA as shown below:
 1. GPA must be at least 1.5 after attempting 50% of the certificate program.
 2. GPA must be at least 2.0 above 50% of the certificate program.

Failure to meet these standards will result in being placed on probation for one term; the student will be notified. Failure to meet these standards at the end of the probationary term will result in termination of GI Bill benefits until satisfactory progress is regained.

5. Veteran students must notify school certifying official if they add or drop a course, change degree program, change address, or withdraw from classes.
6. The VA will not pay for the repeat of satisfactorily completed courses.
7. If veteran students do not make satisfactory academic progress, they may be placed on probation or suspension from veteran's benefits.
8. The VA requires Columbia State to give prior credit for any previous education a veteran student may have received. Official academic transcripts from each previous college attended must be on file in the Columbia State Records office. Veteran's benefits can be certified for only two semesters without official academic transcripts being on file. Any subsequent semesters of attendance will not be certified for payment until the required academic transcripts have been received and evaluated by the Records office.
9. Veterans may complete a Student Veteran/Certain Veteran's Dependent Tuition & Fees Payment Deferment request to defer tuition and fees at Columbia State. These forms are available in the Financial Aid office or by contacting the VA certifying official. This form must be completed each school semester.

The Financial Aid office will assist eligible individuals in completing of necessary forms, program planning, and making appropriate certifications to the Veterans Administration. Columbia State does not participate in advance payment of tuition for veterans.

Veterans, and dependents of veterans who are eligible beneficiaries of U.S. Department of Veterans Affairs education benefits or other governmentally funded educational assistance, subject to the conditions and guidelines set forth in Tennessee Code Annotated 49-7-104 as amended, may elect, upon formal application, to defer payment of required tuition and fees until the final day of their term for which the deferment has been requested. Application for the deferment must be made no later than 14 days prior to the beginning of the term, and the amount of the deferment shall not exceed the total monetary benefits to be received for the term. Students who have been granted deferments must make timely payments on their outstanding tuition and fees balance once education benefits are being delivered, and eligibility for such deferment shall terminate if the student fails to abide by an applicable rule or regulation, or to act in good faith in making timely payments. This notice is published pursuant to Public Chapter 279, Acts of 2003.

Questions regarding entitlement, eligibility, or payments from the Department of Veterans Affairs should be directed to 1-888-442-4551. Information regarding the Veterans Benefits Administration or the GI Bill is available at www.benefits.va.gov/benefits.

For more information on VA benefits, contact Financial Aid financialaid@columbiastate.edu. or call the Columbia State Financial Aid Office VA School Certifying Official at (615) 591-4180.

Other Assistance Programs

Other financial assistance for students may be available through programs with:

1. Workforce Development
2. Vocational Rehabilitation

Contact the Financial Aid office at financialaid@columbiastate.edu for information regarding these programs.

Satisfactory Academic Progress (SAP) Standards for Federal Financial Assistance

Federal and state regulations require that students meet certain academic standards to be eligible for financial aid. The basic standards are:

- Students are expected to maintain a satisfactory grade \ point average;
- Students are expected to successfully complete at least 67% of the classes they attempt; and
- Students are expected to complete their program in a timely manner;

All coursework is evaluated for financial aid purposes whether or not financial aid was received for that work. These standards will be evaluated at the end of each semester. Following is more information on each of the standards listed above.

Notification

It is the students' responsibility to stay informed of the Satisfactory Academic Progress Standards and to monitor their progress. This status may be checked at any time on Charger Net. The Financial Aid Office will notify, via Columbia State e-mail, any student who does not meet the minimum requirements as well as the results of any appeal at the end of each semester. It is the responsibility of the student to check their Columbia State e-mail. Appeals and supporting documentation must be submitted by deadlines published each term on the Columbia State website. Classes will be held from purging due to a submitted appeal and pending decision only if purge is scheduled prior to committee decision and student notification.

Term Grade Point Average (Qualitative)

Students who do not earn any credits (zero hours) in any one semester will be considered to be in violation of Satisfactory Academic Progress Standards. Additionally, these students may be responsible for repayment of federal aid received for that term. The GPA includes grades of W, F, FA & I and Learning Support.

Cumulative Grade Point Average Requirement (Qualitative)

Students must meet the retention standards of Columbia State in order to maintain eligibility. A student must earn the overall combined Grade Point Average (GPA) below to remain in good standing. The overall GPA includes Learning Support hours but not transfer. Students in violation of the cumulative GPA requirement may also be on Academic Probation or Academic Dismissal with the Records Office. The Records Office is responsible for reviewing any appeals related to a student who is on Academic Probation or Academic Dismissal.

Associate Degree Programs

Overall Combined GPA Hrs.	Minimum Cumulative GPA
00.1 – 14.0	No minimum
14.1 – 26.0	1.0
26.1 – 40.0	1.4
40.1 – 48.0	1.7
48.1 – 56.0	1.9
56.0 and above	2.0

Certificate Degree Programs

Overall Combined GPA Hrs.	Minimum Cumulative GPA
1 - 25%	1.0
26 – 50%	1.5
51% and above	2.0

Pace: Measurable Progress Requirement (Quantitative)

Students are expected to maintain progress toward the completion of their degree. Therefore, students must have an overall completion rate of 67% of all college level hours attempted including learning support. The completion rate is calculated by dividing the cumulative number of hours successfully completed by the cumulative number of hours attempted including Learning Support and transfer hours. A grade of "A, B, C, D or P" will be required for successful completion. Grades of "W, I, F, or FA" are not considered completions. Classes that are dropped/withdrawn, repeated, or earn incomplete grades after the semester census date (14th day of classes) are counted as attempted hours. Students who do not keep pace with this progression requirement will be considered to be making unsatisfactory academic progress.

Maximum Time Limit: Reasonable Length of Time Requirement

A reasonable length of time for completion of an educational program is defined as no longer than 150% of the length of the program. For example, a student enrolled in a degree program that requires 60 credit hours must complete all requirements by the time they have attempted 90 hours (60 hours x 150% = 90 hours). Students will not be considered to have reached the 150% hour maximum until after the semester in which they reach or exceed the attempted hours allowed. It is important to note that transfer hours accepted by the college count toward the attempted hours. Learning Support hours count towards the attempted hours.

Learning Support Limit

Students may receive aid for up to 30 attempted semester hours of Learning Support coursework. Transfer credits will be included in the total hours of eligibility. All attempts including withdrawals and repeats count toward the maximum number of hours attempted. This time limit cannot be appealed!

Repeated Courses

All credits from repeated courses will be counted toward the maximum hours. Students may repeat a previously passed course once and be eligible for payment on the repeat (2nd attempt). If student passes class, then retakes the class again and receives W grade for 2nd attempt, student is not eligible to receive financial aid again for that class. Grades of W, F, FA and I count as 2nd attempt for class. Students may repeat a failed course until it is passed and be eligible for payment. These students will eventually be in violation of Cumulative GPA, Pace, and/or Maximum Time Frame.

Transfer Students

All academic transcripts must be received and evaluated by the institution prior to determining Satisfactory Academic Progress Standards for financial aid. Only transfer credits officially accepted by Columbia State Community College will be counted in determining applicable Satisfactory Academic Progress Standards.

Unsatisfactory Academic Progress

Failure to meet these standards results in the loss of eligibility of financial aid, including, but not limited to, Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Direct Loans, Parent Loan for Undergraduate Students (PLUS), Federal Work Study, Tennessee Student Assistance Award (TSAA), Tennessee Lottery Programs including HOPE, and Tennessee Promise. Once a student becomes ineligible for financial aid due to Unsatisfactory Academic Progress, the student is not eligible to receive these funds until the standards have once again been met or an eligible appeal has been approved. Students must attend classes and pay for these classes from their own resources until the guidelines have been re-established, if eligible appeal not approved.

Appeal Process

Any loss of eligibility as a result of this policy may be appealed in writing to the Director of Financial Aid and the Admissions & Financial Aid Appeals Committee. All appeals may be submitted in person to any campus by established deadlines to be forwarded to the Director of Financial Aid or the appeal may be submitted to www.financialaid@columbiastate.edu. The Satisfactory Academic Progress Appeal (SAP) form is available on the Financial Aid website. The appeal must include a signed, written statement explaining why student failed to make satisfactory academic progress and what has changed in the student's situation that will allow satisfactory progress at the next evaluation. Appropriate supporting documentation may be attached. The student will be notified by Columbia State e-mail of the results of the appeal. All decisions made by the committee are final.

For Maximum Time Limit appeals, only a SAPMAX Appeal for Financial Aid Additional Coursework form needs to be submitted. The student will be notified by Columbia State email of the result of the appeal. If an appeal is denied one semester, the student may submit another appeal for a future semester.

Financial Aid Probation

A student who appeals and has had their eligibility reinstated, will be given the status of Financial Aid Probation. Students are put on Financial Aid Probation if the student can reach good standing within one semester, have not attended in the past 2 years, or have extreme circumstances (i.e. major illness/injury/surgery, death) which occurred during the last semester student attended. Any extreme circumstances must be documented. The student may receive aid for one payment period while on probation. The next enrollment period after Financial Aid Probation, the student must be making Satisfactory Academic Progress to remain eligible. If not meeting SAP Standards, the student must file another appeal. Students successful in the second appeal may be placed on a Financial Aid Academic Plan designated by the Admissions & Financial Aid Appeals Committee to assist the student in reaching good standing with SAP.

Academic Plans

Students may be assigned a SAP Academic Plan to assist in reaching good standing with the standards. The Academic Plan may require the student to complete a specified percentage of credit hours, earn a specified GPA, and meet with an academic advisor. Students remain on the Academic Plan until back in good standing with SAP. If a student fails to meet the Academic Plan terms, the student is terminated from financial aid eligibility until in good standing with SAP. The student may regain financial aid eligibility by remaining in school, paying their own charges and re-establishing eligibility. The student may then appeal to the Admissions & Financial Aid Appeals Committee to reinstate financial aid eligibility with the Satisfactory Academic Progress (SAP) Appeal form available on the website.

Students are required to complete a Financial Aid Academic Plan Acknowledgement form indicating the student understands and agree to the terms of the Academic Plan before any financial aid disburses. The Academic Plan Acknowledgement form is emailed to the student's Columbia State email. Each semester the student is on the Academic Plan, a new acknowledgement form will be sent the student to complete and return before any financial aid disburses.

Termination of eligibility to receive financial aid has no effect on the right to enroll as a student at Columbia State.

Appeals not reviewed by Committee (Reviewed by Financial Aid Director and/or Scholarships Coordinator)

- **Maximum Time Frame** – If a student is meeting the Pace & Cumulative GPA guidelines of the SAP policy and is only in] violation of maximum time frame, students may be granted an extension of hours to complete their degree. A SAPMAX Appeal for Financial Aid Additional Coursework form is submitted for this appeal.
- **Term GPA/Zero Hour Completion violation** – If a student is meeting the Pace & Cumulative GPA guidelines of the SAP policy and is only in violation of Term GPA/Zero Hour Completion, students may be given a Warning.
- **Pace** – If a student can reach good standing within one semester, have not attended in the past two years, or have extreme circumstances (i.e. major illness/injury/surgery, death) which occurred during the last semester student attended, student may be placed on Probation for one semester. If a student is still in violation after Probation semester, then the student must re-appeal.
- **Cumulative GPA violation** - If a student can reach good standing within one semester, have not attended in the past two years, or have extreme circumstances (i.e. major illness/injury/surgery, death) which occurred during the last semester attended, student may be placed on Probation for one semester. If a student remains in violation after Probation semester, then the student must re-appeal.

Financial Aid Class Participation Policy

As recipients of Title IV aid (Federal Pell Grants, Federal Direct Loans, Federal Direct Parent Loans, Federal Supplemental Educational Opportunity Grants, State Grants, or Federal Work-Study), students should participate in all class meetings.

As Columbia State Community College is a school that is not required to take attendance by Title IV, the Financial Aid office

determines student participation in enrolled classes on the College defined census date. After this date, a grade of "FA" is used to alert the Financial Aid Department to unofficial withdrawals. Students may no longer be eligible to receive financial assistance for unofficial withdrawals. Students may also be billed for any funds they have received and not earned. The Financial Aid office is notified of official withdrawals by the Records Office weekly.

Students who find it necessary to stop attending class must complete the official withdrawal process (see Academic Information, Registration for Courses, "Dropping a Class" and "Withdrawal").

Return of Title IV Funds Policy

Students who withdraw from all classes prior to completing 60% of an enrollment term will have their aid recalculated based on the percent of the term they completed and may owe money to repay the award. The Financial Aid office encourages students to read this policy carefully. If a student is thinking about withdrawing from all classes PRIOR to completing the semester, please CONTACT the Financial Aid office to determine how withdrawal will affect one's financial aid and possible repayment.

"Title IV Funds" refers to federal aid programs authorized under the Higher Education Act of 1965 (as amended) and includes: Federal Direct Subsidized and Unsubsidized Loans, Direct Parent Loans to Undergraduate Students (PLUS), Federal Pell Grants, and Federal Supplemental Education Opportunity Grant (FSEOG).

A student's withdrawal date is:

- The date the student began the institution's withdrawal process (as described in Columbia State's class schedule) or officially notified the institution of intent to withdraw, or
- The midpoint of the period for a student who stops attending all classes without notifying the institution, or
- The student's last date of participation in a documented course-related activity.

Students may withdraw from all classes using myChargerNet. Refunds on all institutional charges (tuition and fees) are calculated by using the institutional refund policy published in the catalog. Refunds calculated by Columbia State as the result of students who drop a class(es) but who do not totally withdraw from the institution will be refunded to the student.

For a student who withdraws without providing notification to Columbia State Records, the college will determine the withdrawal date no later than 30 days after the end of the earliest of the (1) payment period or period of enrollment, (2) academic year, or (3) educational program.

The percentage of Title IV aid unearned to be returned to the appropriate program shall be 100% minus the percent earned. No program can receive a refund if the student did not receive aid from that program. Unearned aid shall be returned first by Columbia State within a 45-day time frame from the student's account to the appropriate programs in the following order:

1. Unsubsidized Direct Loan
2. Subsidized Direct Loan
3. Direct Parent Loans to Undergraduate Students (PLUS)
4. Federal Pell Grant
5. Federal SEOG

When the total amount of unearned aid is greater than the amount returned by Columbia State from the student's account, the student is responsible for returning unearned aid to the appropriate program(s) as follows:

1. Unsubsidized Direct Loan*
2. Subsidized Direct Loan*
3. Direct Parent Loans to Undergraduate Students (PLUS)*
4. Federal Pell Grant**
5. Federal SEOG**

*Loan amounts are returned by the student according to the terms of the promissory note.

**Amounts to be returned by the student to federal grant programs will be reduced by 50%. A student does not owe a repayment if the original grant overpayment is \$50 or less.

The Financial Aid office will notify the student in writing of the amount of repayment for any funds returned to the U.S. Department of Education on their behalf within 30 days of determining the student's withdrawal. The student has 30 calendar days after Columbia State Business Services notification of an outstanding balance to make a repayment in full or make satisfactory repayment arrangements.

If the student does not repay the entire amount or make satisfactory repayment arrangements within the time allotted, any repayment owed will be sent to the U.S. Department of Education for collection. The student then has the opportunity to repay or make satisfactory repayment arrangements with the U.S. Department of Education. **STUDENTS WHO HAVE NOT REPAYED OR MADE ARRANGEMENTS TO REPAY WILL BE INELIGIBLE FOR TITLE IV AID AT ANY COLLEGE/UNIVERSITY.**

NOTE: Students are responsible for making federal grant repayments. *THEY MUST ALSO REPAY COLUMBIA STATE FOR ANY FUNDS RETURNED TO THE U.S. DEPARTMENT OF EDUCATION ON THEIR BEHALF.* Students may submit a written appeal for a refund to the school's Business Services office for extenuating circumstances surrounding their withdrawal from school. For more information about the College's refund policy, please see *"Institutional Refunds"*.

Worksheets used to determine the amount of a refund or return of Title IV aid are available upon request in the Financial Aid office, as well as examples of how the policy is applied.

If Columbia State determines from the Return of Title IV Funds calculation the need for a post-withdrawal disbursement of Title IV loan funds, the Financial Aid Office will notify the student within 30 calendar days of the date of the institution's determination that the student's withdrawn. The written notification will be prior to making any post-withdrawal disbursement of loan funds, whether those loan funds are to be credited to the student's account or disbursed directly to the student, and will include information necessary for the student, or parent for a Direct Parent PLUS Loan, to make an informed decision as to whether the individual would like to accept post-withdrawal disbursement of additional loan funds. It is strongly encouraged not to make such an authorization and increase the amount of Title IV loan debt unless the student has an outstanding balance to Columbia State.

State Funded Financial Aid Programs

The Tennessee Eligibility Verification for Entitlement Act (EVEA) [TCA 4-58-101 seq.] requires public institutions of higher education to verify that persons seeking a "state benefit" are either a "United States Citizen" or "lawfully present" in the United States.

The term "state benefit" includes in-state tuition, Tennessee Lottery Scholarships and Grants, Tennessee Promise Scholarship, academic scholarship, common market, or any other form of tuition assistance or waiver funded with state- appropriated dollars. State benefit does not include tuition assistance funded privately, such as a scholarship from the institution's foundation or a privately endowed scholarship.

For more information on this act or documentation needed to verify "state benefit" eligibility, please contact the admissions office.

Tennessee Scholarships and Grants

Tennessee Scholarships and Grants are provided through the Tennessee Student Assistance Corporation (TSAC) and includes funds from the Tennessee Education Lottery Scholarship Program. The student must complete the Free Application for Federal Student Aid (FAFSA) by September 1st for the fall semester and February 1st for the spring and summer semesters. Columbia State Community College must be listed as the student's first school choice on the FAFSA. The results are sent to the Tennessee Student Assistance Corporation (TSAC) to determine eligibility. Student must be a Tennessee resident one (1) year prior to enrollment; the dependent student's residence status is based on the parent(s) state of residence-the parent(s) must be a resident of the state for one year prior to enrollment. Tennessee Scholarships and Grants may not be awarded over the estimated Cost of Attendance (COA); if awarded aid is more than the COA, the Scholarships and/or Grants may be reduced. If a student is enrolled less than full-time in a semester, the Tennessee Scholarships and Grants are prorated based on the number of hours in which student is enrolled. Student must be enrolled at least half-time (6 hours) in the semester to be eligible to receive Tennessee Scholarship and Grant funds.

Following are some of the Tennessee Scholarships and Grants offered at Columbia State Community College; you may view a complete listing of scholarships and grants available through the Tennessee Student Assistance Corporation (TSAC) by visiting their website http://www.tn.gov/collegepays/mon_college/lottery_scholars.htm.

HOPE Scholarship –Enrollment Requirements Student must have graduated from a Tennessee eligible high school, have an overall weighted minimum 3.0 grade point average (GPA) or achieve a minimum of 21 ACT (980 SAT), exclusive of the essay. Students completing high school in a Tennessee home school program must have been enrolled at the Tennessee home school for at least one (1) year immediately preceding the completion of the Tennessee home school program and must achieve a minimum of 21 ACT (980 SAT), exclusive of the essay. Recipients of a High School Equivalency Diploma ((GED® or HiSET®) must achieve a minimum of 21 ACT (980 SAT), exclusive of the essay, and meet additional eligibility requirements. ACT/SAT exams must be taken on a national or state test date and prior to the first day of college enrollment. Student must enroll at any postsecondary

institution within 16 months of graduation from an eligible high school, home school or receiving the High School Equivalency Diploma (GED® or HiSET®). Hope Scholarship may be awarded fall, spring, and summer semesters equally.

HOPE Scholarship for Non-Traditional Students – The student must be 25 years of age or older. Student's (and spouse's) adjusted gross income (AGI) must be \$36,000 or less on IRS tax form. Student must enroll in an eligible postsecondary institution as an entering freshman or have not been enrolled for at least two (2) years after last attending any postsecondary institution and have not earned a baccalaureate degree. Student must be continuously enrolled at an eligible postsecondary institution in the fall and spring semesters once beginning or returning to college and maintain Satisfactory Academic Progress. Student must have a minimum cumulative 2.75 GPA after 12 attempted credit hours or required GPA at subsequent benchmark (see Hope Scholarship Renewal Criteria for benchmark hours and GPA requirements). *Attempted hours and college grades prior to re-enrollment at an eligible postsecondary institution after at least a two year break in enrollment are not considered in calculation of TELS hours and GPA. The attempted hours used to "earn" the Non-Traditional Hope Scholarship are not used in calculation of cumulative hours and GPA. Once awarded, the renewal criteria and termination criteria shall be the same as for the Hope Scholarship with the addition that the student's (and spouse's) AGI must be \$36,000 or less. NOTE: *The five (5) years and total semester hour limitations shall be the sum of years or total attempted hours while receiving the Hope Scholarship and the Hope Scholarship for Non-Traditional students. Non-Traditional Hope Scholarship may be awarded fall, spring, and summer semesters equally.

Hope Scholarship – Renewal Criteria The student must have a minimum 2.75 cumulative GPA at the end of semester in which the student attempted 24 and 48 semester hours. The student must have a minimum 3.0 cumulative GPA at the end of the semester in which the student attempted 72 and 96 semester hours. However, if the student does not have a minimum 3.0 cumulative GPA at the end of the semester in which the student attempted 72 and 96 semester hours, then the student must have a minimum 2.75 cumulative GPA and have a semester GPA of at least 3.0 at the end of the semester in which the student attempted 72 and 96 semester hours and every semester following; the student must maintain full-time enrollment-the student's continued eligibility will be determined on a semester-by-semester basis. Note: all hours attempted after high school graduation are included in calculation of TELS hours and GPA. Student must be continuously enrolled at an eligible postsecondary institution in the fall and spring semesters and maintain Satisfactory Academic Progress. Student must maintain enrollment status; the student may not drop (or stop attending) from full-time enrollment to part-time enrollment or withdraw from a semester. Student's renewal eligibility is reviewed at the end of each semester in which the student is enrolled. If a student ceases to be academically eligible for the Hope Scholarship, the student may regain the award one-time only. The award may be re-established once the student meets any of the above criteria and maintains continuous enrollment and satisfactory academic progress at an eligible postsecondary institution without the Hope Scholarship. If at any time the student drops from full-time enrollment to part-time enrollment or withdraws from a semester, the student will no longer meet the minimum requirements; however, the student

may appeal the ineligible status in order to restore Hope Scholarship eligibility if the change in enrollment status was due to a documented extenuating circumstance beyond the student's control. The student may use a one-time only repeat provision should the student elect to replace the grade of a class with the higher grade received from the repeated class; if the student previously lost the award for the first time due to grades and if the student has repeated a course with a higher grade that will bring the TELS GPA at or above the minimum GPA required at the end of the semester in which a benchmark is reached, the use of the one-time repeat provision and one-time regain provision will serve to work together to re-establish the student's award.

Hope Scholarship – Termination Criteria Student has earned a baccalaureate degree or five (5) years have passed from the date of initial enrollment at any postsecondary institution or student has attempted 120 semester hours or has received the Hope Scholarship for eight (8) full-time equivalent semesters at any postsecondary institution; whichever occurs later.

Never drop a course without inquiring with the Financial Aid Office about how it may impact your lottery scholarship eligibility. Please contact Columbia State Financial Aid at *financialaid@ColumbiaState.edu* or call 931-540-8267.

General Assembly Merit Scholarship (GAMS) - Student must have graduated from a Tennessee eligible high school, have an overall weighted minimum 3.75 grade point average (GPA) AND a 29 ACT (1280 SAT), exclusive of the essay. ACT/SAT exams must be taken on a national or state test date and prior to the first day of college enrollment. Students completing high school in a Tennessee home school program, in addition to meeting the Hope Scholarship requirements, and during the course of a homeschool program, must be enrolled in at least four (4) college-level courses totaling at least twelve (12) semester hours and achieve a cumulative grade point average of 3.0. AND achieve a 29 ACT (1280 SAT), exclusive of the essay. ACT must be taken on a national test date; the SAT must be taken on a national or state test date. ACT/SAT must be taken prior to the first day of college enrollment. GAMS is awarded in addition to the Hope Scholarship. A student may receive GAMS or the Aspire Award, but not both. GAMS may be awarded fall, spring, and summer semesters equally.

Aspire Award - A student must meet all Hope Scholarship requirements. Parents' or independent student's (and spouse's) adjusted gross income must be \$36,000 or less on IRS tax form. The Aspire Award is awarded in addition to the Hope Scholarship; Non-Traditional students are not eligible for the Aspire Award. A student may receive the Aspire Award or GAMS, but not both. Aspire Award may be awarded fall, spring, and summer semesters equally.

HOPE Access Grant - Student must have graduated from a Tennessee eligible high school, have an overall weighted minimum 2.75 grade point average (GPA) and achieve a 18-20 ACT (860-970 SAT), exclusive of the essay. ACT/SAT exams must be taken on a national or state test date and prior to the first day of college enrollment. Student must enroll at any postsecondary institution within 16 months of graduation from an eligible high Parents' or independent student's (and spouse's) adjusted gross income must be \$36,000 or less on IRS tax form. Hope Access Grant is non-renewable after 24 attempted hours; student may be eligible

for Hope Scholarship by meeting Hope Scholarship renewal criteria. Hope Access Grant may be awarded fall, spring, and summer semesters equally.

HOPE Foster Child Tuition Grant - Students must meet the high school requirements of and be eligible for the HOPE Scholarship or HOPE Access Grant; students who were in the custody of the Department of Children's Services for at least one year after their 14th birthday and shall present official certification from the Department of Children's Services that the student meets the eligibility requirements. The grant may be continued for a period of no more than 4 years after the date of graduation from high school or equivalent and for a period of no more than six years after admittance to an eligible public postsecondary institution. Students must maintain satisfactory academic progress standards. Hope Foster Child Tuition Grant may be awarded fall, spring, and summer semesters equally.

Tennessee Student Assistance Awards (TSAA) - Student must have a valid Expected Family Contribution (EFC) of 2100 or less as determined by the Department of Education based on FAFSA information. Student must maintain Satisfactory Academic Progress and not be in default on a loan or owe a refund on any grant previously received at any institution and have not received a baccalaureate degree. Prior year recipients will receive the award if they meet all eligibility requirements and complete the FAFSA on or before March 1; remaining funds will be awarded to the neediest applicants on a first come, first served basis. To receive priority consideration, students are strongly encouraged to submit a FAFSA as soon as possible after January 1 each year. Student may receive TSAA for a total of four (4) semesters. TSAA may be awarded fall and spring semesters equally.

Helping Heroes Grant (HHG) – Student must be an honorably discharged veteran who had formally served the armed forces of the United States, or former or current member of a reserve or Tennessee National Guard unit who was called into active military service of the United States. Student must be awarded the Iraq Campaign Medal, Afghanistan Campaign Medal, or Global War on Terrorism Expeditionary Medal on or after September 11, 2001. Student must have not earned a baccalaureate degree, not be in default on a federal Title IV educational loan or Tennessee educational loan, and not owe a refund on a federal Title IV student financial aid program or a Tennessee student financial aid program, Student must be in compliance with federal drug-free rules and laws for receiving financial assistance and not be incarcerated. Award of the HHG shall be made after the completion of a semester, so long as the student successfully completes the course with a non-failing grade as the final grade for the course. Student must complete the application for the Helping Heroes Grant for each academic year with TSAC by September 1 for fall enrollment, February 1 for spring enrollment, or May 1 for summer enrollment; the grant is awarded on a first-come, first-served basis.. Student must provide a copy of his/her DD 214 to TSAC with application. Student may receive HHG for a total of eight (8) "full" semesters or until the eighth anniversary of the veteran's honorable discharged from military service.

Tennessee Promise Scholarship - Tennessee Promise is a scholarship and mentoring program designed as a last dollar scholarship for tuition and mandatory fees not covered by gift aid, in the form of the Federal Pell Grant, Tennessee Education Lottery Scholarships including HOPE, Tennessee Student

Assistance Awards, or state waivers/discounts. The tuition and mandatory fees shall not include fees charged for the Regents Online Degree Program (RODP). A critical component of Tennessee Promise is the individual guidance each participant will receive from a mentor who will assist the student navigates the college admissions process. Community service performed prior to each term of enrollment is a unique requirement.

Tennessee Promise Application Process - To participate in the Tennessee Promise program, students are required to complete the Tennessee Promise Scholarship award application for the initial year of enrollment no later than November 1 of their senior year of high school. For each successive year of participation, students shall submit a renewal application no later than July 1 prior to the successive academic year giving notice to TSAC of their intent to participate. The application is available utilizing the TSAC Student portal: <https://cliplink.guarantorsolutions.com/StudentSignon/>.

Students participating in the Tennessee Promise Scholarship program shall file the Free Application for Federal Student Aid (FAFSA), or renewal FAFSA, by February 15 yearly for fall enrollment. A student who meets all academic and non-academic requirements of the Tennessee Promise Scholarship may transfer from one eligible postsecondary institution to another eligible institution and maintain the scholarship, provided the student is able to complete the diploma or associate degree in the amount of time remaining before reaching a terminating event. A TSAC Change of Institution form is available by contacting the Financial Aid Office or any campus front office and on the TSAC Student Portal.

Tennessee Promise Eligibility - Be a Tennessee resident; graduate from eligible high school, complete high school as a home school student or obtain a GED[®] or HiSET[®] diploma, provided that the GED[®] or HiSET[®] is obtained prior to the student reaching nineteen (19) years of age; attend full time in the fall term immediately following graduation at an eligible postsecondary institution which includes the Tennessee Community Colleges; maintain continuous enrollment as a full time student unless granted a medical or personal leave of absence (more information about this is available from the Director of Financial Aid); maintain a minimum cumulative grade point average of 2.0 as determined by the institution at the end of each academic year if enrolled in an associate degree program; receipt of the scholarship is limited to five (5) semesters total; comply with U.S. Selective Service System requirements for registration; be in compliance with federal drug-free rules and laws for receiving financial assistance; not be in default on a federal Title IV or Tennessee educational loan; not owe a refund on a federal Title IV or a Tennessee student financial aid program; and not be incarcerated.

Prior to initial fall enrollment, student must attend one mandatory meeting with the partnering organizations related to financial aid, FAFSA completion, and the college application process. Student must attend a second mandatory meeting related to college orientation with the partnering organization. Participants must complete a minimum of eight (8) hours of community service prior to each semester while participating in the Tennessee Promise Scholarship program (more information is available from the Partnering Organization on this requirement).

Tennessee Dual Enrollment Grant - The Dual Enrollment Grant

program provides opportunities for students to begin working toward a college degree, while still pursuing a high school diploma, and encourages post-secondary education and the acceleration of post-secondary attainment. To participate in the Tennessee Dual Enrollment Grant program, a student must meet the College's admissions criteria for Dual Enrollment and be enrolled for college courses leading toward a credential for which they also earn high school credit. A student must also be a Tennessee resident, as defined by Chapter 0240-2-2, Classifying Students In-State and Out-of-State, as promulgated by the Tennessee Board of Regents, for one year from the date of required grant submission which is September 15 for the fall semester, February 1 for the spring semester, and May 1 for the summer semester. For continued participation, a student must maintain a 2.75 cumulative college grade point average that shall be certified by an Enrollment Services representative each semester. Once the courses and minimum cumulative grade point average are certified, the award shall be processed. College courses taken under the restrictions of this grant do not count towards the Tennessee HOPE Scholarship college GPA and the attempted credit hours limitation. For more information, contact the Enrollment Services Operations Manager.

Institutional Funded Financial Aid Programs

Institutional Work - This program is designed to assist students who do not qualify for Federal Work Study (FWS). Eligibility and available funds determine the number of hours per week a student may work. To be eligible for this program, a student must be making satisfactory academic progress. Students earn an hourly rate (determined each year). Institutional work payroll is processed monthly. Timesheets are due from the supervisors to the Business Office by the 15th of each month. Funds will be directly deposited into the student's bank account on the last working day of each month. Applications are available on the Columbia State financial aid web site. All institutional work students are expected to work in accordance with the schedule set by their supervisor excluding the student's class schedules. Failure to perform suitable work will result in loss of employment.

Scholarships - Columbia State Community College offers a variety of institutional, foundation and private scholarships through the generosity of the college community. Many scholarships assist deserving students in obtaining their educational goals. Generally, the criteria for awarding scholarships are based on academic ability or financial need.

To be considered for a Columbia State scholarship, a student must:

1. Have made application to Columbia State Community College.
2. Have a complete FAFSA on file for need-based scholarships.
3. Have scholarship application submitted to the Financial Aid Office by March 15.
4. Graduating seniors must have the academic portion of the scholarship application completed by a high school guidance counselor, and the application must be submitted to the Financial Aid office by March 15.

The following scholarships are offered to students who demonstrate academic achievement, exceptional talent, or financial need. These scholarships are awarded by the College Financial Aid Scholarship Committee in the spring of each award year. Completed applications must be submitted to the Financial Aid Office by March 15.

Academic Service Scholarships - Authorized by the Tennessee Board of Regents, these scholarships pay the tuition for full-time students per academic semester. Residents of Tennessee who are recent graduates of a Tennessee high school may apply. Applications must be submitted to the Financial Aid office by March 15. The scholarships are not applicable for the summer term.

Academic Service Scholarships are awarded on the basis of scholastic achievement. Students with a minimum high school grade point average of 2.9 or the equivalent, and an ACT composite score of 19 are eligible to apply. Recipients of Academic Service Scholarships are required to work 75 hours each semester on campus.

Academic Service Scholarships are not automatically renewed. Recipients must maintain a minimum grade point average (GPA) of 2.75 each semester. Failure to maintain the required GPA or a satisfactory standard of conduct, or failure to fulfill the required work obligation will result in the automatic forfeiture of the scholarship.

Opportunity Scholarships - The purpose of the Opportunity Scholarship is to provide opportunity for disadvantaged students and enhance institutional diversity. Scholarships are awarded based on financial need and available funds. Completion of the FAFSA is required. This scholarship covers tuition and mandatory fees for a limited number of part-time and full-time students. The scholarship is renewable contingent upon maintaining at least a 2.0 GPA for each semester attended.

Foundation Scholarships - These private scholarships, available through the Columbia State Foundation, are made possible through the generosity of individuals, businesses and organizations. Scholarship application must be submitted to the Financial Aid office by March 15.

Persons interested in establishing a scholarship or supporting the College's educational endeavors are encouraged to contact the Advancement Office at (931) 540-2512.

Private Scholarships - Recipients for these scholarships are determined by the organization. Examples are churches, places of employment and some civic organizations. Contact should be made directly with those organizations for information.

Athletic Scholarships - These scholarships are available to students who qualify to participate in intercollegiate athletics. These scholarships vary in amounts and eligibility is determined by the Athletic Department.

Additional Financial Aid Information

Reporting Aid Received From Sources Other Than Columbia State

Students who receive outside aid such as loans, grants, or scholarships from private organizations or governmental agencies must report the source and amount of outside financial assistance. Federal regulations require the Financial Aid office to adjust a student's award package as to not exceed the student's need. Students who knowingly withhold such information from the Financial Aid office are subject to termination of their financial aid

and repayment of any excess aid to the federal government.

Verification

In an effort to curb abuse and fraud with the federal aid programs and to ensure funds are awarded correctly, the federal government randomly selects students for a process called verification. If selected for verification, the Financial Aid office is required to request documents to substantiate information reported on the student's FAFSA. Items subject to verification include, but are not limited to, adjusted gross income, nontaxable income, interest income, asset amounts, number in household, and number in post-secondary institutions.

If selected, certain documents such as Federal Income Tax Transcripts, W-2 or a verification worksheet may be requested. Students selected for verification must complete all required procedures by the end of the academic year or end of their enrollment period or by June 30, whichever comes first. No financial aid funds will be disbursed until all verification requirements have been met and processed.

Selective Service

Selective Service Registration is required to receive Title IV federal aid funds. Any student who is required to register with Selective Service and fails to do so will be ineligible for student financial aid provided through programs established under Title IV of the Higher Education Act.

Special Circumstances

If a family's financial circumstances change due to death, disability, long-term unemployment, and/or excessive medical or dental expenses, the student may be eligible for an adjustment to their aid package. Applications are available by emailing financialaid@columbiastate.edu.

Awarding of Financial Aid

Student financial aid awards vary depending upon the student's eligibility, financial need and available funds. The process of packaging the different kinds of financial aid is based on the total need analysis and aid determination cycle. The entire financial aid program has been developed to ensure fair and equitable awards.

Payment of Awards and Refunds

Financial aid disbursements are credited to the student's account after the census date or 14th day of classes. Refund dates are posted each semester on the Financial Aid web site.

Institutional Fees and Refunds

See previous section, Institutional Fees and Refunds.

Financial Aid is not available for students who:

1. Are pursuing a short-term or institutional certificate (less than 16 credit hours).
2. Are non-degree seeking.
3. Are auditing classes.
4. Are undergraduate special students.
5. Are adult special students.
6. Are transient students (except in the case of some HOPE recipients).

Student Consumer Rights and Responsibilities

As a financial aid consumer, students have the right to:

- Be informed about financial aid application procedures, cost of attendance, aid available and renewal requirements. Additional consumer information is available from the Financial Aid office

upon request.

- Receive confidential protection of one's financial aid records. The contents of one's financial aid file are maintained in accordance with the Family Educational Rights and Privacy Act. Additional information is available in the Student Handbook.
- Seek and receive full information and counsel from the Director of Financial Aid regarding any financial aid matter.

As a financial aid consumer, students have the responsibility to:

- Complete applications correctly and on time.
- Read and understand all materials from the Financial Aid office and other financial aid agencies; keep copies of all forms and materials submitted.
- Know and comply with the rules governing one's aid programs.
- Comply with the provisions of any promissory note and all other agreements signed.
- Register for the number of credit hours required, participate in registered classes, and maintain satisfactory academic progress.
- Report any of the following changes: withdrawal from college, transfer to another college, name change, student address change or parents address change.
- Request personal assistance about financial aid questions or the information provided by financial aid personnel.

Consumer Information

In compliance with federal regulations pertaining to the Student Right-to-Know and Campus Security Act, all prospective and currently enrolled students have access to institutional information regarding campus safety and security, crime statistics, Family Educational Rights and Privacy Act provisions, financial aid programs and policies, retention and graduation data, and other topics. Information is available on the Columbia State web site at <http://www.columbiastate.edu/consumer-information>, in the student handbook, or it can be obtained from the Student Services office.

How to Contact the Financial Aid Office

If you have questions or need assistance in applying for financial aid, please contact: Enrollment Services Financial Aid, Jones Student Center Columbia campus, Room 103, phone (931) 540 - 8267, by emailing financialaid@columbiastate.edu or dropping by the front office of any other Columbia State campus.

Academic Information

Student Classifications

Undergraduate Degree Students

All undergraduate students who have been admitted as credit students and are pursuing a degree or certificate are classified as undergraduate degree students. These students are further classified at the freshman or sophomore level based on their level of progress or placement within a program of study.

1. Freshman: A student with less than 30 semester hours earned toward a degree.
2. Sophomore: A student with 30 or more semester hours earned toward a degree.

Non-Degree Students

Students earning credit but who are not presently pursuing a degree or certificate are classified as non-degree students. The classifications for these students are listed under Non-Degree Students on p. 17.

Non-Credit Students

Students enrolled in non-credit courses through The Center for Workforce Development office are classified as non-credit students.

Student Records

Permanent Student Records

The permanent record of a Columbia State Community College credit student shall consist of: student name, social security number or student identification number, courses enrolled each term, cumulative grade point average (GPA), term GPA, hours attempted, hours earned, grades, quality points earned, degrees and certificates earned, academic program(s), honors, academic status, and transfer credit. The permanent record will be maintained Online and will be available on campus in the Records office and viewed Online at various Columbia State locations by authorized personnel. Online processes are backed up nightly.

The permanent record of a Columbia State Community College non-credit, continuing education (CEU) student shall consist of: student name, student social security number or student identification number, courses enrolled in each term by course title, number and continuing education units. The permanent record is available through the Center for Workforce Development.

Social Security Number Use

Columbia State requires assignment of an individual student number for internal identification of each student's record. The College began using the social security number as the student identification number prior to January 1, 1975 and the federal law allows continued use of this number. However, the primary internal identification for student records is a randomly selected eight digit number beginning with the letter "A" that has been created for students, faculty, and staff to protect an individual's social security number. Students are still required to disclose their social security number when they apply for admission on the application form. The social security number is then converted to the random number for privacy. If at the time of application, a student wishes not to disclose the social security number, the institution will assign a unique social security number for the student's use. Please note that if the student expects to receive federal and/or state financial assistance, the student may be

required to disclose the social security number. For prompt and accurate retrieval of records, students and alumni may be required to give their social security number. While in most cases, current students will be able to complete their business with the College through myChargerNet by use of a user id and password, occasionally when the social security number may be required. Student identification numbers, whether a social security number or an assigned number, are used administratively within the College and are not given to third parties without the express consent of the student.

Acquiring Credit

Unit of Credit

The College offers instruction and awards credit on the semester hour basis, with the scholastic academic year consisting of two semesters, fall and spring. Semester hour credit is also awarded for classes offered during summer semesters. One semester hour of credit is based upon 750 minutes of class instruction per semester.

Prior to fall 1988, the College awarded credit on a quarter hour basis. In fall 1988, the quarter hours earned were converted to semester hours. One semester hour of credit is equivalent to one and one-half quarter hours.

Transfer Credit

Credit may be granted for courses completed at other institutions of higher education. Decisions concerning transfer work are based on (1) equivalence of course content and level of instruction to that provided by Columbia State and (2) appropriateness and applicability of credit to the student's program at Columbia State.

Once students are admitted to Columbia State, transcripts are evaluated and transfer credit is assigned. Once students receive their acceptance letter, information regarding the awarding of transfer credit can be accessed by logging into their myChargerNet account and clicking on "View Transcript" to view their academic transcript.

For coursework completed that has not already been approved as equivalent, such as coursework at non-regionally accredited institutions, additional information will be required. The student must provide a copy of the course description or syllabus of the course to the Records Office. If approved the classes are posted to the student's record. The student will be notified as to the outcome of the request.

Effective Summer 2015, transfer credit will be given for all courses in which passing grades are achieved, including the grade of "D". For students enrolled prior to Summer 2015, only grades of "C" or higher are accepted. Credit will only be given for grades of "P" if the course is comparable to a Columbia State course graded on a "pass/fail" basis.

All grades of transfer courses are entered on the student's Columbia State permanent academic record. Grades of transfer courses are not included in the calculation of the student's grade point average at Columbia State.

External credit received for advanced placement from a transfer institution for CLEP, CEEB, ACT, etc., may also be accepted and awarded for advanced placement at Columbia State upon receipt

of official documentation (score reports, etc.) directly from the testing agency. Additional detailed information regarding transfer credit policies may be found at www.columbiastate.edu/policies-procedures.

External Credit

A maximum of 42 semester hours credit earned through any combination of external credit may apply toward a degree. Possible sources of external credit include (1) credit by examination, (2) military service/armed services schools, (3) high school articulated courses, and (4) prior learning.

To receive external credit, the following conditions apply:

1. Applicants must not have received any grade, with the exception of a "W", in similar titled courses for which credit is awarded.
2. Credit is awarded only in areas offered within the current curriculum of the College and related to the student's educational program.
3. Credit is awarded only for those learning experiences in which it can be documented that all the outcomes for specific courses in an approved degree program have been met.

Semester hours of credit toward graduation are awarded on the basis of these conditions, but grades or quality points are not awarded. These credits will not affect the academic grade point average.

Transfer of external credit to other institutions is at the discretion of the receiving institution.

1. External Credit by Examination

Students may earn college credit by examination for acceptable scores on College-Level Examination Program (CLEP) Examinations, the College Entrance Examination Board (CEEB) Advanced Placement Examination, the Enhanced American College Testing Program (ACT), the International Association of Administrative Professionals (IAAP) or comprehensive subject examinations. Official documentation must be received directly from the testing agency. Credit may be recorded on the student's record after admission to the College.

Requests for all other external credit are submitted to the director of records after the student has been admitted to the College and registered for courses. External credit is evaluated by the division dean and, if credit is earned, recorded on the student's record. Comprehensive subject examinations are evaluated at the departmental level and with approval of the division dean are forwarded, with recommendations, to the Records office. However, these exams will not be administered until a student has earned 12 hours (excluding Learning Support courses) of resident credit at the College.

CLEP: Applications and information on the CLEP are available by writing the College Level Examination Program, Box 6600, Princeton, New Jersey 08541-6600, by calling (609) 771-7865, or by accessing www.collegeboard.com. Prior to 2001, credit is awarded for acceptable scores received on subject examinations only. CLEP discontinued the classification of Subject exams and General exams with the transition to computer-based testing in 2001. Therefore, any acceptable test scores reported after 2001 will be reviewed for applicability to comparable Columbia State courses.

CEEB: (College Board): Columbia State participates in the Advanced Placement Program of CEEB and awards appropriate credit in selected courses to qualified students who present an official record of a grade of 3 or above on the examination. The Advanced Placement Program of CEEB is coordinated by the high schools.

ACT: Students whose standard score on the Enhanced ACT English test is 32 or above may receive credit for Composition I and II (ENGL 1010 and 1020).

Students whose standard score on the Enhanced ACT Mathematics test is 31 or above may receive credit for Precalculus Algebra (MATH 1710).

International Association of Administrative Professionals (IAAP) Examination: Persons having successfully passed sections of the IAAP examination are eligible to receive 13 semester hours of credit at Columbia State as follows:

BUSN 1310	Business Communication	3
INFS 1010	Computer Applications	3
BUSN 1380	Supervisory Management	3
OFA 103	Keyboarding	1
OFA 132	Records Management	3

Award of credit for successful completion of the IAAP examination is subject to change whenever (1) the content of the examination is changed so that it does not correspond to the content of the courses designated above or (2) content of the Columbia State courses designated above is revised to the degree that it does not correspond to the examination content.

DANTES Subject Standardized (DSST)- Students may earn college credit for acceptable scores on the DANTES Subject Standardized Test based on Columbia State or TBR policy, or credit can be awarded based upon the credit recommendations and minimum scores recommended by the American Council on Education. Students should submit an official DANTES transcript for review.

Comprehensive Subject Examinations: Credit by institutional examination may be available for courses which the division deans have determined can be passed by proficiency examination. Students who wish to take these exams must seek approval from the appropriate division dean prior to taking the exam. If an examination is available for the course, the student must see the instructor to discuss the course syllabus and text and decide whether to attempt the examination, and, if appropriate, schedule an appointment to take the examination. Credit will be awarded provided:

1. performance on the test is at least a "C".
2. the student has earned 12 semester hours of resident credit at Columbia State (excluding Learning Support courses).

Prior to taking the examination, the student must complete an *Application for Permission to Take Credit by Examination* request (available in the division offices) and pay the Business Services office the fee established for "credit by examination." Upon offering the examination, the instructor must photocopy the receipt for payment of the fees and attach it to the *Credit by Examination Grade Report*. Upon evaluation of the examination, the instructor must submit the *Credit by Examination Grade Report* and the photocopy of the receipt to the appropriate

division dean. Upon approval by the division dean and the Executive Vice President-Provost the *Credit by Examination Grade Report* and the photocopy of the receipt are submitted to the Records office. *Credit awarded prior to the last day of final exams will be posted in that semester. Credit awarded after the last day of final exams will be posted in the following semester.*

2. External Credit for Military Service/Schools

Columbia State awards up to two hours of physical education credit for active military service provided that the DD-214 form is submitted to the Records office. The DD-214 must verify a minimum of six months of active duty before one semester hour of physical education credit is awarded. Credit may be awarded for attendance at military schools and job classifications based upon recommendations from the Office of Educational Credit of the American Council on Education. Military service credit is awarded provided that proper documentation supporting service-related educational experiences is presented to the director of records before the end of the second term of enrollment and information is submitted to the V.A. certifying official.

3. Dual Credit for Specific High School Courses

A student who has completed a career/technical secondary course of study or certain other high school courses which have been articulated with the college or through the state of Tennessee (Dual Credit), has received a regular high school diploma, has enrolled in a postsecondary institution within two years of graduation, and who demonstrates attainment of equivalent learning outcomes for specified career courses may receive credit for those courses through the Columbia State Community College articulation process. This postsecondary credit will be granted upon successful admission to Columbia State. Transfer of articulated career/technical credit from Columbia State to other institutions is at the discretion of the receiving institution. Students wishing to participate in the articulation program must:

1. Meet all regular admissions requirements of Columbia State as published in the Catalog.
2. Provide official transcript of work completed at the high school.
3. Attend the Columbia State Community College testing day and complete a comprehensive subject assessment for each credit requested or meet assessment requirements as stated.
4. Pass the assessment requirements for each course for which credit is requested.
5. Enroll at Columbia State within two (2) years of the date of graduation from high school.
6. Contact the Science, Technology and Mathematics Division at Columbia State to request the credit.

The number of articulated dual credit courses is very limited and specific to each school district. For more information about the articulation program, consult a high school guidance counselor or the Science, Technology and Mathematics Division dean at Columbia State.

4. External Credit through Tennessee Colleges of Applied Technology (TCAT)

Students who have completed a diploma program consisting of at least 1125 contact hours at a TCAT within the last three (3) years may receive up to 30 credit hours toward the General Technology or Health Sciences Majors, A.A.S. degree. This credit may count toward the A.A.S. degree but will carry no quality points and will not count in the calculation of the grade point average. Transfer of articulated credit from Columbia State to other institutions is at the discretion of the receiving institution.

Credit will not be awarded by Columbia State until students have successfully completed fifteen (15) hours of college-level work at Columbia State and all required Learning Support courses. Students should contact the Science, Technology and Mathematics division dean for more information.

5. External Credit for Department of Labor Apprenticeship Program

Students who have completed a recognized Department of Labor apprenticeship program may receive credit for up to 15 hours toward the General Technology Major, A.A.S. degree. This credit may count toward the A.A.S. degree but will carry no quality points and will not count in the calculation of the grade point average. Transfer of articulated credit from Columbia State to other institutions is at the discretion of the receiving institution.

Credit will not be awarded by Columbia State until students have successfully completed fifteen (15) hours of college-level work at Columbia State and all required Learning Support courses. Students should contact the Science, Technology and Mathematics Division dean for more information.

6. External Credit for Prior Learning

A currently enrolled student at Columbia State may request credit through documented work experience or life experience in the field in which a degree or certificate is being pursued. The credit may be granted for specific course credit in current Columbia State courses or as elective credit in a discipline taught at Columbia State. Credit will be granted only for documented prior learning experiences that demonstrate achievement of the student learning outcomes for the course(s) for which credit is sought. Credit will not be given for RODP courses. Credit for prior learning will not be given for credit that duplicates credit already awarded or for courses for which a CLEP exam is available. If courses for which prior learning credit has been granted are taken at the College at a later date, the credit for prior learning will be revoked.

The total amount of credit awarded cannot exceed 25% of the requirements for the degree or certificate. The credit will be identified as experiential credit on the transcript and may not be accepted for transfer by other institutions. Determination of transferability will be made by the receiving institution.

Students seeking prior learning credit should first contact the Retention Coordinator for Science, Technology and Mathematics, to obtain a *Request for Prior Learning Credit Portfolio Consideration* form. The completed request form will be reviewed by a faculty member in the discipline for which credit is sought and the division dean. If they agree that the prior learning experiences justify granting credit, the student will be asked to provide a portfolio of relevant experiences. After verifying the portfolio, the faculty member will complete a *Granting of Credit for Prior Learning* form and forward it for approval by the division dean and executive vice president - provost for academic and student programs and services. Upon approval, the executive vice president - provost will submit the form to the director of records for posting of the credit into the student's academic record. The credit will be posted after the student has paid the applicable fees (see "Credit for Prior Learning Fee," p. 22) and has successfully completed twelve (12) semester credit hours at the College and will not apply toward meeting residency requirements for graduation.

Transcript of Credits

Students who attend Columbia State may request a copy of their

permanent academic record (transcript). There is no charge for transcripts; however, the Records office may set a limit on a reasonable number of copies that may be processed at any time and may also establish a nonrefundable charge for the cost of producing transcripts in excess of that number. All transcript requests must be made in writing by mail or fax or through the online transcript request. Telephone requests are not accepted and electronic mail (e-mail) requests are only accepted if the student scans and emails the signed request form. Students may also call the transcript information line at (931) 540-2550 for instructions on obtaining transcripts. No transcripts will be released for or to a student who has any financial obligations with the College or who has not completed all admissions requirements.

The Records office does not issue or reproduce transcripts from other institutions of higher or secondary education. Requests for transcripts or work taken at other colleges, universities, or high schools must be directed to the institution concerned.

Registration for Courses

Full-time Student Semester Hour Load

To be classified as a full-time student, students must register for at least twelve (12) semester hours credit. Sixteen to eighteen (16-18) credit hours is the regular or normal load per semester. Nineteen (19) hours is the maximum load. Any student desiring to register for more than 19 credit hours must have:

1. completed all Learning Support course requirements, and
2. have earned a minimum cumulative grade point average (GPA) of 3.0.

An overload may be requested by completing the *Registration and Overload Request* form (available on myChargerNet) and obtaining an advisor's signature and the approval of one of the following: an academic division dean, extended campus director, or the associate vice president for faculty, curriculum and programs.

Registration Procedures

Students must observe registration procedures and complete registration on the dates posted (see "Important Dates," p. 9) in the catalog or on the Columbia State Web page. Students who register after the official registration period must pay a late registration fee. Registration following the period established as the last date to register and last day to add a class (adjustment period) is permitted only in exceptional cases and requires the approval of the instructor, curricular coordinator or the division dean. Students are not officially enrolled until all registration requirements are completed and all fees are paid.

For eligible students, online registration is available through myChargerNet, which is accessed from www.columbiastate.edu. Columbia State conducts Priority Registration (pre-selection of classes) for current students. Registration information is emailed to all current students to inform them of their day to priority register. Students have an assigned advisor who will assist in course selection. Registration is conducted for first-time and readmitted students during the open registration period as listed (see "Important Dates," p. 9). Student orientations are scheduled before the Fall and Spring semesters to assist new and transfer students in registering for classes. The Columbia State web site each semester also has information on applying for admission or readmission, testing requirements, paying fees, and dropping and adding classes.

Change of Registration Procedures

Students are advised to carefully read the following regulations and procedures applicable to drop, add or withdrawal. Registration for courses implies that the student has entered into a contract to complete each course's requirements. Should conditions make it necessary for the student to leave any class or leave the College completely, the student must officially change his or her registration status. Failure to do so will result in a failing grade, "F," on the student's permanent record. The "Dropping a Class" and "Adding a Class" procedures apply when a student wishes to change one or more class(es). If the student wishes to drop all classes, the "withdrawal" procedure applies. A student who only informs an instructor that he or she can no longer attend class without also completing the required procedure has not officially dropped or withdrawn.

Cancellation of Scheduled Classes

Columbia State reserves the right to cancel any scheduled class. When this occurs, it is the student's responsibility to check his/her schedule by accessing their myChargerNet account or the emailed canceled class listing.

Dropping a Class

Dropping a class can occur through the "last day to drop a class or withdraw" for the regular/full semester (see "Important Dates," p. 9). Additional drop dates apply for other short term session courses and appear on the Columbia State web page at www.columbiastate.edu/refunds-drops-withdrawals.

Students may drop most classes by using myChargerNet. However, to drop under the following circumstances students must come in person to the Records office or to one of the College's campus locations:

1. to drop a course after the last official date to drop (includes RODP courses).
2. to drop any course which the student is auditing.
3. to drop when the student's account has a hold flag or encumbrance.

Students who need to drop any course after the last official date to drop are required to complete a form and must follow these procedures:

1. Obtain the *Change of Registration* form and enter required information. This form is available at all College campus locations, and on the college's web page, www.columbiastate.edu/records/forms.
2. Acquire applicable signatures:
 - a. instructor if dropping after the last official date to drop (includes RODP courses) or an email from the instructor for RODP courses.
 - b. RODP Contact if dropping after the last official date to drop.
3. Present form to the Records office.

Adding a Class

Adding a class is permitted through the "Adjustment Period for Registered Students," for the regular/full semester (see "Important Dates," p. 9). Additional add dates apply for other short term session courses appear on the Columbia State web page at www.columbiastate.edu/refunds-drops-withdrawals. Students may add most classes by using myChargerNet. However, to add a course under the following circumstances students must come in person to the Records office, or to one of the College's campus locations:

1. to add a course when the student's account has a hold flag or encumbrance.
2. to add a course which the student wants to audit.

Change To or From Audit

Qualified credit students who register for audit may change to credit prior to the end of the adjustment period (see "Important Dates", p. 9). This may be done on a *Change of Registration* form by marking "Change from Audit to Credit" and submitting the completed form to the Records office or any of the College's campus locations. Students cannot change from audit to credit after the adjustment period.

Any time prior to the deadline for dropping or withdrawing, students may change from credit to audit in lieu of dropping a course, except for RODP courses. RODP courses cannot be audited per www.rodpc.org/degree-programs-courses/course-listings. This may be done on a *Change of Registration* form by marking "Change from Credit to Audit" and submitting the completed form to the Records office or any of the College's campus locations.

Withdrawal

Students who stop attending all classes without officially dropping all courses have not withdrawn from the College and will receive a failing grade in each class. Withdrawal through the "last day to drop a class or withdraw" is permitted when the student has met all obligations to the College.

Most students may drop all classes (withdraw) by using myChargerNet account. However, to withdraw under the following circumstances students are required to complete a form and must come in person to the Records office, or to one of the College's campus locations:

1. to withdraw after the last official date to drop (includes RODP courses).
2. to withdraw when enrolled in an audit course.
3. to withdraw when the student's account has a hold flag or encumbrance.

Students who need to drop all courses (withdraw) after the last official date to drop are required to complete a form and must follow these procedures:

1. Obtain the *Change of Registration* form and enter required information.
2. Acquire applicable signatures:
 - a. instructor if dropping after the last official date to drop (includes RODP courses).
 - b. RODP Contact if dropping after the last official date to drop.
 - c. contact Financial Aid, if applicable
3. Present form to the Records office.

Students who are unable to process their withdrawal in person may submit to the Records office a signed letter requesting withdrawal. In the event a student is incapacitated, a designee should provide proper documentation for withdrawal of the student.

Grades for Withdrawals and Drops

Following the last day of the registration adjustment period, and not later than two-thirds into the semester (see "Important Dates," p. 9), a student may officially drop a course(s) or withdraw from the College and receive a "W" which means that no hours are completed and the grade point average will not be affected. Students who drop a course or who withdraw from the College after two-thirds of the semester is complete will receive with appropriate signatures a "W" in the course(s) they are passing. Students will receive a failing grade, "F", in the course(s) they are

not passing unless it can be clearly demonstrated that an unusual circumstance or hardship exists. (See "Guidelines for Permitting Late Withdrawal.")

Guidelines for Permitting Late Withdrawal

Circumstances which directly hinder a student's pursuit of a course and which are judged to be out of the student's control may be a justifiable reason for permission for late withdrawal from the College.

Students who leave the College under mitigating circumstances without officially withdrawing may later appeal to the instructor for a late withdrawal. This will be permitted only if students can show that withdrawal was under conditions where they could not have been expected to officially withdraw and if the student's have no encumbrances on their financial records.

Following are some general categories of mitigating circumstances (this list is not all inclusive):

1. Serious illness of the student.
2. Serious illness or death in the student's immediate family.
3. Immediate family or financial obligations which require a change in terms, hours or place of employment which prevents completion of a course.
4. Late withdrawal from a course due to unsatisfactory achievement may be considered a mitigating circumstance if (a) the student can demonstrate good faith effort in the course up to the point of withdrawal; (b) the student can submit evidence that tutoring was sought and a counselor, advisor, or the instructor of the course was consulted regarding an attempt to remedy the unsatisfactory work; (c) the student attempted to drop or withdraw prior to the deadline but was encouraged to continue or was denied approval for withdrawal; or (d) it is determined that the course will not be repeated by the student without successful remedial study to prepare for completion of the course.

Classroom Behavior

The faculty member teaching the class has the primary responsibility for control over classroom behavior in that class. Faculty are expected to maintain academic integrity and an environment conducive to learning within the classroom. In doing so, they must adhere to College definitions for academic dishonesty and academic misconduct and to the procedures to be followed in the event a student is accused of either (see *Online Student Handbook*).

Class Participation Policy

Instructors determine and publish in the syllabus their class attendance policy. Beginning with the first class, faculty record attendance to verify enrollment and eligibility for financial aid. Unless prevented by circumstances beyond their control, students should attend all classes for which they are registered regularly. Regardless of the cause or nature of an absence, students are responsible for all class work covered or assigned during the absence. Policy for evaluating attendance as a part of the course grade and the procedure for making up class work missed during an absence is developed by each instructor. Whenever possible, students should make arrangements in advance for scheduled examinations or class work that will be missed during an anticipated absence.

Institutional Absence

Students may be granted administrative or "institutional" absence when the student represents the College at a public event which is in the interest of the College or is engaged in an activity such

as a field trip which contributes to the education of the student. In granting an administrative absence, the College disclaims any liability which may occur from the loss of instruction.

Grades

Grading System

At the end of each semester the quality of students' work is evaluated by the instructor. Grades are indicated by letters and based on a four quality point system. Interpretation and quality points for each letter grade are:

Grade	Interpretation	Quality Points Per Semester	Hour Credit
A	Excellent	4	
B	Good	3	
C	Average	2	
D	Inferior but passing	1	
F	Failure	0	
FA	Unofficial Withdrawal Used to designate those students who stopped attending and did not complete the course. Faculty must indicate the date the student last participated in course-related activities.	0	
I	Incomplete	0	
P	Pass (awarded only to COP classes and nursing clinicals)	0	
W	Withdraw (not a grade). Used when withdrawal is on or prior to last day to drop or withdraw. Withdrawal permitted after the official drop period may reflect a W only if the student is passing at time of withdrawal.	0	
X	Not a grade. Used only when grades are turned in too late to meet processing deadline. (Later changed to reflect a grade.)	0	
AU	Not a grade. (Assigned to official audit.)	0	

The grade point average (GPA) is determined by dividing the total number of quality points acquired by the total number of grade point hours. Repeated courses are excluded from this calculation (see "Course Repeats," p. 42). Credit hours in courses from which a student officially withdraws in good standing (see "Change of Registration Procedures," p. 39) are not considered quality hours attempted.

Incomplete Grade

An incomplete grade is given when a student fails, due to extenuating circumstances, to complete all of the requirements for a course. It is interpreted as an "F" until the "I" is replaced with a passing grade.

An incomplete must be removed during the following semester, excluding the summer term. If the incomplete is not removed, the "I" will continue to be computed as an "F". Students must request and complete the assignments required to change the "I" to a grade. Should this not occur in the following semester, the instructor is no longer obligated to accept the work. The instructor may, at his or her discretion, accept the work later and forward a grade change to the division dean for approval, but there is no obligation under policy to do so.

Academic Standing

Transfer and Transient Students

All transfer/transient students must be eligible to reenter the school from which they are transferring. A student who is on

active/current academic dismissal/suspension at another college will be admitted to Columbia State on probation.

Since Admission policy allows transfer students to be admitted with a "partial" transcript and transient students to be admitted with a "Transient Student Approval Form" (i.e. not all final grades are present or known), Students continuing beyond the initial academic term with Columbia State must provide the final transcript from the home institution. If the student was in fact dismissed, the student will be held to the following dismissal/retention standards.

At the end of the term with Columbia State, the student must have achieved a 2.0 semester GPA (cumulative GPA does not apply) otherwise, the student will be placed on retroactive academic dismissal from Columbia State for one year. Students may not appeal this dismissal from Columbia State.

Having successfully completed the term with a 2.0 semester GPA, the student will be placed in academic good standing with Columbia State. Should the student wish to continue with Columbia State the student must comply with the retention standards listed below.

Retention Standards

Dual Enrollment students see "High School Students" on p. 18 for retention policies related to the Dual Enrollment program. To remain in academic good standing, students must meet the following retention standards:

- attain a 2.0 grade point average (GPA) for the current semester (see "Grading System" for instructions on calculating GPA), or
- meet minimum cumulative GPA as shown below:

0 - 14.0 grade point hours	No minimum
14.1 - 26.0 grade point hours	1.0
26.1 - 40.0 grade point hours	1.4
40.1 - 48.0 grade point hours	1.7
48.1 - 56.0 grade point hours	1.9
56.1 and above grade point hours	2.0

Failure to meet one of the above retention standards for the semester will result in academic probation. Failure to meet the above retention standards following academic probation will result in academic dismissal from the College.

Academic Dismissal

Students placed on a first academic dismissal are suspended for one term (not including summer) and are eligible to reenroll on probation as follows by completing an *Application for Admission/Readmission*:

- first dismissal at the end of fall semester: eligible to reenroll the next summer semester
- first dismissal at the end of spring semester: eligible to reenroll the next spring semester
- first dismissal at the end of summer semester: eligible to reenroll the next spring semester

Students placed on academic dismissal for the **second or more times** will be suspended for a period of one year (three terms including summer). Students who have served the designated terms of dismissal will be readmitted to the College on probation with no need to appeal.

Early Readmission for Students on Academic Dismissal

All students (including transfer/transient students) who have been dismissed for successive (back to back) terms are not eligible for

early readmission and may not appeal. They will remain on dismissal for a period of one year.

Current Columbia State students with first or non-subsequent dismissals who wish to return early have the following options:

1. Students who believe that their circumstances have improved, and they can now be academically successful may continue on probation and register for a maximum of 8 semester hours. They do not have to appeal but they must notify the Records office in writing of their intention to continue.
2. Students who wish to take more than 8 semester hours must submit the *Academic Dismissal Appeal for Additional Hours* form to the Admissions Policies and Appeals Committee. The committee may either sustain the 8 hour limit or allow registration for more hours with one or more of the following stipulations:
 - a. require the repeat courses in which the student earned a failing grade.
 - b. recommend academic or career counseling.

Students should explain on the appeal form any unusual hardships that they wish the committee to consider in its deliberations. Students must outline the actions they will take to ensure their academic success.

The appeal form must be submitted at least 24 hours prior to the committee's final meeting. Permission to take more than eight hours will be granted only under extraordinary circumstances. The committee's decision is final.

If the Registration Calendar is such that a student registers before the official dismissal lists are communicated to all concerned, the student's current registration will be canceled and all paid fees refunded.

Course Repeats

Students are permitted to repeat courses in which their final grades are "C" or lower. Students may be permitted to repeat a course in which a grade of "B" or higher was earned only with the approval of the executive vice president - provost for academic and student programs and services as an exception to this policy.

Upon repeating a course, the original credit earned and any quality points acquired are excluded from the cumulative totals on the next grade report. In the event that a student repeats all grades received in the third and all subsequent times will be included in the grade point average.

Time in Course	Grades included in Computation
1st	Original grade earned
2nd	Only the grade earned the 2nd time
3rd and subsequent	Grades earned in the 3rd and all subsequent times are calculated in the grade point average.

The student's record will continue to reflect all grades earned even if a course has been repeated and excluded from grade/hour totals.

Official Audit of a Course

Students may register in a course for the purpose of audit. Permission to audit is given on the basis of space available and/or discretion of the division dean and can not be processed

through Self-Service but requires entry by Records office personnel. However, Learning Support and Regents Online Degree courses may not be taken for audit. Audit students may or may not be required to do all the work assigned; however, they do not take the final examination. Students auditing a course do not receive credit for the course, and a grade is not assigned. Grade reports will carry the symbol "AU" reflecting no credit attempted and no quality points earned. Fees for audit students will be assessed on the same basis as fees for credit students.

Academic Fresh Start

Any person who has not been enrolled in a college or university for a period of four years may, upon enrolling or reenrolling at Columbia State or transferring to Columbia State, petition to have failing grades on all prior Columbia State coursework disregarded in calculating his or her cumulative grade point average. Courses with "D" grades can be excluded if the major specifies a grade of "C" is required for the course. Previously satisfied Learning Support courses will not be forfeited.

1. Retained grades will be calculated in the Fresh Start QPA/ GPA.
2. Courses with "D" or "F" grades must be repeated at the institution when they are required in the student's current major. All remaining courses for the current degree objectives must be completed at the institution. No transient credit will be accepted after invoking Academic Fresh Start.
3. The application of retained credit toward degree requirements will be determined by the requirements currently in effect at the time the academic renewal status is conferred on the student. Specific program regulations must be met.

If the request is granted, the earlier coursework will not count toward meeting requirements for graduation but would appear on the student's transcript. A student will only be approved for the academic fresh start one time. For information on applying for a fresh start, contact a retention coordinator, division dean or extended campus director.

A student who plans to transfer to an non TBR college or university should contact that institution to determine the impact of academic fresh start prior to implementing the program at Columbia State. Also, this policy is independent of financial aid regulations. Financial Aid requirements at the time of application will apply. Therefore, a Fresh Start applicant should check with his/her financial aid counselor for guidance.

Availability of Grades

Students may review grades for a particular semester by accessing their myChargerNet account on the Columbia State home page at www.columbiastate.edu.

Honors

President's List and Dean's List

At the end of the fall and spring semesters a list of honor students known as the President's List and the Dean's List are published to recognize scholarly achievements.

President's List - To qualify for the President's List students must earn 15 credit hours for the semester (excluding Learning Support) with a semester GPA of 3.90 - 4.00.

Dean's List - To qualify for the Dean's List students must earn 12 or more credit hours for the semester (excluding Learning Support) with a semester GPA of 3.50 or higher (not to include those on President's List).

Graduation Honors

Degree students graduating with the following grade point averages will receive the corresponding honor designations on their diplomas and Columbia State transcript:

3.90 - 4.00	Summa Cum Laude
3.70 - 3.89	Magna Cum Laude
3.50 - 3.69	Cum Laude

Students who graduate Summa Cum Laude are awarded gold cords to wear at Commencement. Certificate students are not eligible for Summa, Magna, and Cum Laude honors.

Graduation honors are based on degree credit courses only; however, the overall combined GPA that might include a Learning Support course(s) must be equal to or higher than the overall GPA.

Policy on the Awarding of Degrees

Columbia State awards five degrees: the Associate of Arts (A.A.), the Associate of Science (A.S.), the Associate of Science in Teaching (A.S.T.), the Associate of Fine Art (A.F.A.) and the Associate of Applied Science (A.A.S.).

Student may not earn a degree or certificate before completing all Learning Support competencies as required by their program of study.

The College will not award the A.A. or A.S. degree to persons who already hold an A.A., A.S., A.S.T., A.F.A., baccalaureate, or higher degree. Students holding advanced degrees may be awarded the A.A.S. degree provided they meet the stated requirements. Students must earn 25% of total program credits in residence at Columbia State.

Multiple Degrees and Certificates

Students may earn an A.A., A.S., A.F.A. or A.S.T. degree (designed for transfer) and an A.A.S. degree (not designed for transfer) by completing the curriculum prescribed plus 16 semester hours over and above the total number of hours required for the first degree.

Students may be awarded the A.S.T. if they have been awarded an A.A. or A.S. degree previously; however, students previously awarded the A.S.T. degree are not eligible for the A.A. A.S. or A.F.A. degree.

Students who have been awarded an A.A.S. degree who complete a different major which includes 16 semester hours over and above those required for the first A.A.S. degree will earn a second A.A.S. degree.

Students holding advanced degrees or a transfer associate's degree may be awarded the A.A.S. degree or technical certificate provided they meet the stated requirements.

Students may earn multiple technical certificates as long as 25% of the required hours were not required for previously earned certificates.

Graduation

The certification of graduates and posting of degrees and certificates is the responsibility of the Records office.

Students are encouraged to monitor their progress towards graduation by consulting with an advisor and by accessing the online degree audit on the college's Web page under myCharterNet.

Students are allowed to graduate by the requirements of the catalog under which they entered or any subsequent catalog, provided the catalog containing the program being followed is not more than six years old based on the date of completion of graduation requirements. Students may not elect a catalog from years that they were not enrolled at least one term. Students who have been separated from the College for at least six years but wish to complete their degree by transfer credit or by reenrolling must follow the current catalog.

All students who plan to graduate with a degree must take a general education examination as well as any other examination required by the College or the Tennessee Board of Regents. Students who fail to do so will not graduate and their diplomas will be withheld. Students who have previously graduated from Columbia State Community College or who have earned a bachelor's degree or higher are exempted.

Columbia State holds two graduation ceremonies. They are held in May and December of each year. Students who plan to complete the requirements for graduation must file the Intent to Graduate or Request for Technical Certificate form prior to the published deadline (See "Important Dates," p. 9).

Students who are enrolled spring semester in courses they need for graduation will be permitted to participate in the May graduation ceremony, but will not be awarded the degrees until after grades are received and degree requirements have been confirmed as completed. Students who have registered for summer and fall and who are scheduled to be enrolled in the final courses needed for graduation may participate in the December graduation ceremony. Even though students participate in the ceremony, the degrees will not be awarded until all courses are satisfactorily completed and all graduation requirements are met.

Outstanding Student Award

The Outstanding Student award is presented at Student Honors Convocation to recognize the graduating student who, in the opinion of the faculty, have outstanding academic achievements, extracurricular activities, and service to Columbia State and the community. An appropriately inscribed plaque is awarded to the student.

Jo L. Hutton Prize

The Jo L. Hutton Prize was established in 1991 to honor Mr. Jo L. Hutton, the founder of Middle Tennessee Bank.

The Jo L. Hutton Prize criteria include a student who has graduated from a Maury County High School, earned the highest grade point average while attending Columbia State Community College, and will be transferring into a Baccalaureate degree program at a university.

Academic Programs and Services

Academic programs and credit course offerings at Columbia State are provided through three academic divisions within the area of Instruction. The Extended Campuses and Programs office coordinates the delivery of these offerings to the College's extended campuses and temporary teaching sites. Non-credit offerings are provided through the Center for Workforce Development office. The University Center coordinates with universities offering degree programs on the Columbia campus.

Division of Health Sciences

Students seeking to work in the health care field may choose from several programs which prepare them for entry-level positions in these fields. These include emergency medical services, health sciences, medical informatics, nursing, radiologic technology, respiratory care, and veterinary technology. A certificate is available in Computed Tomography.

Division of Humanities and Social Sciences

The humanities disciplines serve the entire College by providing opportunities for artistic and intellectual development in classroom and co-curricular activities. The required and elective courses offered are designed to teach students to think critically, to appreciate the record of cultural achievement of humankind, to write and speak effectively and creatively about human experience, and to examine and refine the individual's view of life. Transfer students may select an emphasis in art (studio), English, foreign language, graphic design, humanities, mass communication, music, public relations, speech communication and Theatre Arts.

Social Science courses attempt to acquaint students with the various aspects of human beings in their relations to culture, environment, behavioral patterns, heritage and political institutions. University-parallel emphasis are offered in early childhood education, elementary education, exercise science, geography, history, political science, psychology, social work, and sociology. A certificate is available in basic early childhood education.

Division of Science, Technology and Mathematics

For those students interested in the business area or in technology and industry-related fields, this division offers numerous options. Students may follow a university parallel track or seek a degree in information systems technology with options in information systems specialist, medical office technology, mobile technologies, office information technology and computer networking/cyber security; business or general technology. A career-entry program and a transfer program is available in criminal justice. They may also enroll in a certificate program in business. Advanced Integrated Industrial Technology offers an A.A.S. and certificate for students interested in careers in high tech manufacturing.

Courses in mathematics and science are offered in support of a variety of transfer and applied sciences programs. These courses help students develop the mathematical and scientific skills necessary for job entry or to continue study in a technologic or pure-scientific field. University-parallel emphases are offered in agriculture, biology, chemistry, mathematics, and physics. Moreover, pre-professional emphases are offered in dental hygiene, dentistry, engineering, medicine, pharmacy, and physical therapy.

Learning Support Program

The Learning Support program is designed to assure students are college ready to enter the rigors of the college curriculum. Faculty and staff provide assistance to students to help them succeed in meeting required competencies. Courses are offered in three skill areas: writing, reading and mathematics. These skills courses are listed in the courses description section of the catalog and course schedule as 0000 level courses in Learning Support English, Mathematics, and Reading. For additional information on program placement requirements see www.columbiastate.edu/learning-support.

Center for Workforce Development

Columbia State plays an important role in the region's economic growth, community development and quality of life. The Center for Workforce Development seeks to strengthen this role through business and industry services, economic development partnerships, and professional development opportunities.

Business, industry, and government have unique education and training needs. The Center for Workforce Development works closely with organizations throughout the Columbia State service area to identify these needs and develop appropriate services. Services include noncredit professional development and specialized contract training.

Economic development partnerships help communities maximize strengths and overcome weaknesses. The Center for Workforce Development seeks opportunities for Columbia State to participate in partnerships with economic development agencies, education and training providers, and other organizations throughout the region. These efforts help communities gain access to vital education and training services.

Columbia State awards continuing education units to persons successfully completing many of its noncredit courses.

University Center

For those students who desire a degree beyond an Associate degree, Columbia State partners with Middle Tennessee State University, and Trevecca Nazarene University to bring baccalaureate degree programs to the Columbia State campus.

Partnerships include:

Elementary Education (K-5) with Middle Tennessee State University (MTSU) - Students who have completed an Associate of Science in Teaching degree can complete a B.S. degree on the Columbia State campus. This degree is designed to meet the professional needs of students planning to teach kindergarten through fifth grade.

Nursing RN to BSN with Middle Tennessee State University (MTSU) - Graduates of Columbia State's nursing program have the opportunity to pursue a bachelors degree (BSN) seamlessly through an articulation agreement with MTSU. This unique partnership allows two-year RNs to complete additional general education coursework at community college tuition rates followed by online upper division nursing courses at the university and complete the BSN locally. For more information about the required courses and the GPA minimums for admission to MTSU contact the Health Sciences Division Office at 931-540-2599 or 931-540-2600.

Agribusiness 2+2 with Middle Tennessee State University -

All bachelor's degree courses will be held at Columbia State's Lewisburg campus or online. This partnership gives students the opportunity to obtain a bachelor's degree closer to home when they may already have job and family obligations.

Management and Human Relations (MHR), with Trevecca Nazarene University

This B.A. degree program offers students the chance to complete their B.A. on the Columbia State campus in Columbia. Classes meet just one night per week, between 6:00 p.m. and 10:00 p.m. Classes are taken one at a time in sequence, and each class meets for 5 weeks. The program is based on a cohort model and gives students the benefit of building support relationships with their fellow students through the 15 month program. In order to qualify for the program, a student must have earned a minimum of 40 credit hours. For further information, call 931-548-6054; or for information on any other program and the requirements for admission, go to www.tnustarthere.org or 615-336-9693.

For information on current partnerships, contact the University Center by calling (931) 540-2619 or by accessing www.columbiastate.edu/admissions/transfer-information/bachelor's-and-master's-on-campus. The University Center is located in room 128 of the Warf Building on the Columbia campus.

Regents Online Degree Program - Columbia State, along with other Tennessee Board of Regents system institutions, participates in several Online degree programs through the Regents Online Degree Program (RODP). For more information on these degrees, access the RODP website at www.rod.org. RODP Student Support is available 7:45 a.m. until 4:15 p.m. Monday - Friday in room 128 of the Warf Building on the Columbia campus or at rod@columbiastate.edu.

The Online degrees offered by Columbia State include:

- Associate of Applied Science in Professional Studies
Concentration: Information Technology
- Associate of Applied Science in Early Childhood Education
- Associate of Applied Science in Web Technology
- Web Page Authoring Technical Certificate
- Associate of Applied Science in Criminal Justice
- Associate of Arts in General Studies (*University Parallel)
- Associate of Science in General Studies (*University Parallel)

**The university parallel associate degree programs are designed for those students ultimately seeking bachelor degrees.*

The following are approved RODP General Education requirements for students admitted Fall 2004 and later.

Communication (9 hours)

ENGL 1010: English Composition I -- 3 hours
ENGL 1020: English Composition II -- 3 hours
SPCH 1010: Fundamentals of Speech Communication -- 3 hours

History (Choose two courses - 6 hours)

*HIST 1110: Survey of World History I** -- 3 hours
*HIST 1120: Survey of World History II** -- 3 hours
HIST 2010: U.S. History I** -- 3 hours
HIST 2020: U.S. History II** -- 3 hours
HIST 2030: Tennessee History** -- 3 hours

Humanities (Choose 9 hours including 3 hours Literature)

*ART 1030: Art Appreciation -- 3 hours
*ARTH 2010: Survey of Art History I -- 3 hours
*ARTH 2020: Survey of Art History II -- 3 hours
*ENGL 2010: Introduction to Literature I: Fiction -- 3 hours
ENGL 2030: Experience of Literature -- 3 hours
ENGL 2110: American Literature I -- 3 hours
ENGL 2120: American Literature II -- 3 hours
*ENGL 2210: English Literature I -- 3 hours
*ENGL 2220: English Literature II -- 3 hours
*ENGL 2410: Western World Literature I -- 3 hours
*ENGL 2420: Western World Literature II -- 3 hours
HUM 1010: Introduction to Humanities I -- 3 hours
HUM 1020: Introduction to Humanities II -- 3 hours
*MUS 1030: Music Appreciation -- 3 hours
*PHIL 121: Elementary Ethics -- 3 hours
*PHIL 201: Introduction to World Religions -- 3 hours
*PHIL 1030: Introduction to Philosophy -- 3 hours
*THEA 1030: Introduction to Theatre -- 3 hours

Sciences (Choose two courses - 8 hours)

ASTR 1030: Astronomy and Lab -- 4 hours
BIOL 1010: Biology I and Lab -- 4 hours
BIOL 1020: Biology II and Lab -- 4 hours
BIOL 2010: Human Anatomy and Physiology I -- 4 hours
BIOL 2020: Human Anatomy and Physiology II -- 4 hours
CHEM 1010: Intro to Chemistry I and Lab -- 4 hours
CHEM 1020: Intro to Chemistry II and Lab -- 4 hours
*ESC 1110: Introduction to Environmental Studies I -- 4 hours
*ESC 1120: Introduction to Environmental Studies II -- 4 hours
GEOG 1010: Physical Geography I -- 4 hours
GEOG 1020: Physical Geography II -- 4 hours
PHYS 1030: Concepts of Physics and Lab -- 4 hours
PSCI 1010: Survey of Physical Science I -- 4 hours

Mathematics (Choose one - 3 hours)

MATH 1130: College Algebra -- 3 hours
MATH 1530: Probability and Statistics (non-calculus) -- 3 hours
MATH 1630: Finite Mathematics -- 3 hours
MATH 1710: Precalculus I -- 3 hours
MATH 1720: Precalculus II (Trigonometry) -- 3 hours
MATH 1830: Intuitive Calculus -- 3 hours
MATH 1910: Calculus I -- 3 hours
MATH 1920: Calculus II -- 3 hours

Social Science (Choose two courses - 6 hours)

ECON 2010: Macroeconomics -- 3 hours
ECON 2020: Microeconomics -- 3 hours
*GEOG 2010: World Regional Geography -- 3 hours
POLS 1020: Introduction to Political Science -- 3 hours
POLS 1030: American Government -- 3 hours
PSYC 1030: General Psychology -- 3 hours
SOC 1010: Introduction to Sociology -- 3 hours
SOC 1020: Social Problems -- 3 hours
*SOC 1120: Introduction to Cultural Anthropology -- 3 hours
SOC 2010: Marriage and Family -- 3 hours

*Courses contains at least one component of international content

** Intended for students planning to graduate from a TBR institution.

Extended Campuses and Programs

The Extended Campuses and Programs office at Columbia State is responsible for coordinating course offerings and services at the College's extended campuses and temporary instructional sites. The office also works with employers, students, and faculty to provide cooperative education opportunities and with K-12 schools to provide dual enrollment and educational outreach programs. Contact extended campuses as follows: Clifton - (931) 676-6966, Lawrenceburg - (931) 766-1600, Lewisburg - (931) 359-0351, Williamson County - (615) 790-4400.

Cooperative Education

Cooperative education (co-op) gives students the opportunity to integrate classroom study with related work experience in industry, business, or government. Columbia State Community College believes students may develop needed skills by engaging in challenging and interesting situations in the work place. This applied learning provides opportunities for students to demonstrate their abilities in real-world work environments. The program is flexible and is tailored to meet the needs of each individual student.

Cooperative education is similar to an independent study course. During periods of co-op employment, students are enrolled in a co-op course, pay a registration fee, and comply with department requirements. In order to qualify for entry and continue participation in the program, students must meet criteria outlined in the most current program brochure, and must not have engaged in conduct that resulted in college disciplinary sanctions or academic penalties.

Although there is no guarantee of co-op placement, permanent work or any compensation, every effort is made to place students to their best educational and financial advantage. If remuneration is involved, the rate of pay is determined by agreement of the employer and the student. The employer pays wages directly to the student.

The co-op employer provides a supervisor and the College assigns a faculty sponsor for each student. Periodic reports from supervisors and communications by faculty assure that each student obtains maximum benefit from the program. Grading for co-op courses is on a pass/fail basis. Participation in cooperative education involves no obligation on the part of either the student or the employer with regard to permanent employment after graduation.

For more information on cooperative education, contact the appropriate Division Dean's Office.

Distance Education

Distance education is a method for extending educational opportunities beyond the boundaries of the traditional campus. Columbia State offers a number of courses each semester through non-traditional delivery formats including desktop video conferencing, hybrid courses, two-way video and audio, online (web asynchronous), and web-enhanced courses. These courses have the same course requirements, transferability, and general content as courses with the same designation which are taught through traditional classroom lecture during the full semester and accelerated terms.

Distance education courses are included in each semester's course schedule. For more information, access www.columbiastate.edu/e-campus.

Desktop Video Conferencing

Desktop Video Conferencing courses allow students to participate in a course in real time without the need to be at a physical campus location. This method of instruction allows students to connect with the instructor virtually and provides the capability of two-way audio and video and chat for interaction with the instructor and other students. Students use their personal computer equipped with a camera and microphone to take desktop video conferencing courses. The students' computer must have access to high-speed internet service (no dial up). Campus computers may be used, but students will be limited to camera and chat functions only (microphones may not be used.)

Hybrid Courses

"Hybrid" is the name used to describe a course that combines in-the-classroom instruction with computer-based, Online learning. In a hybrid course, half of the course is presented Online and, as a result, the amount of on-campus classroom time is reduced by one-half.

Two-way Video and Audio

Two-way video and audio courses are delivered through the Interactive Television (ITV) system which integrates two or more classrooms at distant locations to create one virtual classroom. An instructor and students, located in one classroom, is joined with other classrooms through two-way video and audio (ITV) technology. This technology allows interaction between students and the instructor similar to the interaction if all students were located in the same classroom.

Online Course (Web-Asynchronous)

Students taking online courses have 24/7 access to the course syllabus, lectures, assignments, discussions, quizzes, file sharing and group collaboration. Regular participation and timely assignment completion is expected just as is required in traditional lecture courses. Students may use campus computer facilities or participate in the course using a personal computer. Prior to registering for online courses, students are advised to complete the "Are you ready for Online courses Self-Evaluation" and check system requirement at www.columbiastate.edu/e-campus/OnlineCampus.

Web-Enhanced

Many of Columbia State's classes are Web-Enhanced. This means that instructors use a safe place on the web for course discussions, extra reading assignments, support materials, study guides, etc. In many cases, textbook publishers may provide "companion websites", which may include online study guides, resources, web links, and integration of original materials. These courses have no reduction in on-ground class meeting requirements.

Dual Enrollment

Columbia State has agreements with a number of high schools that allow qualifying students to earn credit simultaneously during the high school schedule or after the school day. For information, contact the Dual Enrollment Coordinator at (615) 790-4409.

Planning a Course of Study

Academic Advising

Although educational decisions are ultimately the student's responsibility, it is important that every student receive academic advising to ensure the best possible choices are made. All Faculty advisors are available to students for consultation and maintain regular office hours for this purpose. Students will be assigned advisors by mid-term of their first semester of study. Students may print a Degree Audit Evaluation by accessing their myChargerNet account. These printouts will indicate the courses remaining toward particular degrees or certificates.

Students are responsible for:

- knowing the graduation eligibility requirements for their major as stated in the catalog,
- obtaining an equivalency table and/or the requirements for graduation at the senior institution to which students plan to transfer,
- making an appointment with an advisor and keeping it,
- knowing important dates such as schedule change deadlines or the last date for drop/withdrawal/change to audit, and
- consulting with instructors and with an advisor for referral to college resources for help when experiencing academic difficulty.

Placement in Courses

It is the responsibility of the advisor and the student to review the student's admissions and testing data and academic record to assure that all course and program prerequisites are met. Students should refer to the "Policy and Procedures for Mandatory Placement of Students," p. 19, for guidelines regarding Learning Support courses. The College may deny registration in a course where the Learning Support prerequisite or any other prerequisite has not been met.

Planning a Program of Study

The selection of a degree or certificate program is basic to planning a program of study since the general education and program-specific requirements vary considerably from program to program. Degree programs which may be selected include the Associate of Arts, Associate of Fine Arts, Associate of Science, Associate of Science in Teaching, and the Associate of Applied Science. Other shorter programs of study may lead to a certificate. Information on specific programs can be accessed through the College Web site.

Career-Entry programs are designed primarily for immediate employment and require the selection of a program-specific major which leads to the Associate of Applied Science (A.A.S.) degree or the technical certificate.

These programs are not designed for transfer to a senior institution but some programs and courses may be transferable at the discretion of the receiving institution.

Academic Certificates requirements vary with each certificate. An academic certificate may require a minimum of 12 semester credit hours to a maximum of one full year of coursework. 25% of the total credits required must be taken from the approved general education course listing. Students seeking an academic certificate must earn a minimum of 50% of the credits required for that certificate in residence at Columbia State with an overall grade point average of at least 2.0. Students can only receive two academic certificates if they receive an A.A. or A.S. and an A.A.S.

Technical Certificate programs requirements for the technical certificate of credit varies in required semester hours and can include up to one full year of study in technical specialty courses and are used for skills upgrade or to prepare for licensure examinations. Students seeking a technical certificate must earn a minimum of 50% of the program credits in residence at Columbia State with an overall grade point average of at least 2.0. These courses may result in a technical certificate which is noted on the student's transcript. The courses in these certificates can be applied towards an Associate of Applied Science degree.

Career Advancement programs provide documentation for employment or professional development credit. The courses may be credit or non-credit and are focused on training for specific skills.

Pre-professional programs are transfer programs which lead to an Associate of Science or Associate of Arts degree and provide students with the first two years of preparation for entrance into a professional school such as medicine at a university. Since the course requirements for admission to these professional schools vary considerably, it is essential that students be familiar with the entrance requirements of the university to which they intend to apply and that they work closely with their pre-professional program advisor at Columbia State when designing their program of study. Generally, it is wise to select an emphasis in a field with similar requirements, for example biology or chemistry, and develop a program of study for that field that includes the professional school entrance requirements.

Tennessee Transfer Pathway (TTP) are designed to transfer into a baccalaureate program at any public university in Tennessee. For further information regarding the TTP, go to www.tntransferpathway.org. It is essential that transfer students decide on a transfer institution as soon as possible and follow the major requirements when planning a program of study. Degree checklists for the various TTP's are available online at www.columbiastate.edu/academics/TTP-general-transfer.

Students transferring to a Tennessee Board of Regents (TBR) institution must meet the general education requirements listed below under the "Tennessee Board of Regents' General Education Requirements and Undergraduate Requirements." TBR institutions include all state community colleges, Austin Peay State University, East Tennessee State University, Middle Tennessee State University, Tennessee State University, Tennessee Technological University, and the University of Memphis.

General Education Philosophy and Requirements

ENGAGE. LEARN. SUCCEED. CONTRIBUTE.

Columbia State strives to engage the entire college community in a learning centered environment in which students acquire the essential skills needed to be successful in and contribute to their communities.

The general education core required of students in all degree programs is central to achievement of this goal. Within this core students will learn by reading, writing, speaking, and solving quantitative problems within the disciplines explored as part of a broad general education and within those specific to the students' major field. As a necessary corollary to application of the essential skills in learning, students will be required to think critically about their subjects, identify relevant sources of information, and use technology effectively.

Learning occurs within the context of an expanded core of knowledge which provides a broader context for understanding, appreciating and living in the modern world. Students will acquire this knowledge by surveying one or more disciplines within each of the following general areas of study:

- Social/Behavioral Sciences
- Humanities/Fine Arts
- Natural Sciences/Mathematics

For each of the selected disciplines, students will understand the central concepts defining the selected disciplines; appreciate the historical, political, and/or cultural impact of the disciplines; and understand how the disciplines apply to their life and the world at large.

Tennessee Board of Regents General Education Requirements and Undergraduate Requirements

Effective Fall Semester 2004, each institution in the State University and Community College System of Tennessee (hereafter identified as the Tennessee Board of Regents System) will subscribe to common general education requirements at the lower-division. These requirements consist of forty-one (41) semester hours in the following subject categories and are required for completion of the Associate of Arts (A.A.), Associate of Fine Arts (A.F.A.), Associate of Science (A.S.), Associate of Science in Teaching (A.S.T.), and all baccalaureate degrees.

Communication	9 semester hours*
Humanities and/or Fine Arts (One course must be in literature)	9 semester hours
Social/Behavioral Sciences	6 semester hours
History	6 semester hours**
Natural Sciences	8 semester hours
Mathematics	<u>3 semester hours</u>
Total	41 semester hours

Courses designated to fulfill general education requirements by Columbia State Community College for the Associate of Arts and Associate of Science Degree Requirements are listed on p. 46.

A complete listing of the courses fulfilling general education requirements for Tennessee Board of Regents institutions is available on their web site at www.tbr.edu.

Students pursuing a Bachelor of Arts degree shall be required to demonstrate proficiency in a foreign language equivalent to completion of two years of college-level work. Students pursuing an Associate of Arts degree shall be required to demonstrate proficiency in foreign language equivalent to completion of one year of college-level work.

*Six (6) semester hours of English composition and three (3) hours in English oral presentational communication are required.

**Students who lack the required one unit (one year) of American History from high school as an admissions requirement must complete six (6) semester hours of U.S. History or three (3) semester hours of U.S. History and three (3) semester hours of Tennessee History to fulfill the history requirements in general education. Otherwise, students may choose from among the history courses approved at a particular institution to fulfill the six-semester hour requirement in history.

Undergraduate Degree Requirements and Provisions

All baccalaureate degrees offered by institutions in the Tennessee Board of Regents System shall require a maximum of 120 semester hours except in certain degree programs in which approval to exceed the maximum has been granted. The programs approved as exceptions to the maximum are identified in institutional catalogs.

All associate degrees shall require a maximum of 60 semester hours except in certain degree programs in which approval to exceed the maximum has been granted. The programs approved as exceptions to the maximum are identified in institutional catalogs.

Credit hours earned in Learning Support courses are institution credit; they are not applicable to credit hours required for any certificate, associate, or baccalaureate degree.

College courses taken to address course deficiencies in high school preparation and to meet minimum university admission requirements effective fall 1989 may be used concurrently to satisfy general education requirements specified above with the exception of foreign language. Relative to removing deficiencies in foreign language, the following provisions apply:

1. Students who pursue programs leading to the Associate of Science or Bachelor of Science degrees may apply foreign language courses taken to remove the deficiencies as electives, if appropriate, or otherwise as add-on hours.
2. Students who pursue programs leading to the Associate of Arts and Bachelor of Arts degrees may apply foreign language courses taken to remove deficiencies toward fulfillment of degree requirements.

Transfer Provisions of General Education Courses

As a result of the *2010 Tennessee Complete College Act*, public colleges and universities have an approved transfer tract for many majors that assures transfer with full junior status provided community college graduates do not change their major before entering their university studies.

1. Students who complete the Associate of Arts or Associate of Science degree and transfer to a university within the Tennessee Board of Regents System will have satisfied all lower-division general education requirements.
2. Students who complete blocks of subject categories will have satisfied the general education requirements for the categories of note. For example, if the eight (8) semester hours of natural sciences are completed, then this block of general education requirement is fulfilled upon transfer to an institution within the Tennessee Board of Regents System. When a subject category is incomplete, a course-by-course evaluation will be conducted, and the student will be subject to specific requirements of the receiving institution.
3. Effective Summer 2015, transfer credit will be given for all courses in which passing grades are achieved, including the grade of "D". For students enrolled prior to Summer 2015, only grades of "C" or higher are accepted. Credit will only be given for grades of "P" if the course is comparable to a Columbia State course graded on a "pass/fail" basis.

All grades of transfer courses are entered on the student's Columbia State permanent academic record. Grades of transfer courses are not included in the calculation of the student's grade point average at Columbia State.

4. In certain cases, specific courses must be taken in general education. It is important that students and advisors be aware of any major requirements that must be fulfilled under lower-division general education. In cases where specific courses are required as part of general education for certain majors, the student is responsible for enrolling in the correct courses. Failure to fulfill specific major requirements in lower-division general education may result in the need to complete additional courses.

Associate of Arts and Associate of Science

Degree Requirements

General Degree Requirements

All associate degrees awarded by Columbia State Community College shall require 60 semester credit hours with an overall Grade Point Average (GPA) of at least 2.0. The GPA includes all classes taken including those not required for the degree. Students must earn 25% of total program credits in residence at Columbia State. Students may not graduate before completing all Learning Support course requirements as determined by their placement scores. Credit hours earned in Learning Support or other courses for institutional credit only are not applicable as credit hours required for the degree.

Degree Requirements¹ for the Associate of Science (A.S.)

Communications:

English Composition: 6 credit hours

ENGL 1010 - Composition I (3 hours)

ENGL 1020 - Composition II (3 hours)

Speech: 3 credit hours

SPCH 1010 - Fundamentals of Speech Communication (3 hours)

or

SPCH 1030 - Argumentation and Debate (3 hours)

Humanities/Fine Arts:

Literature: 3 credit hours

Courses selected from fine arts/humanities*: 6 credit hours

History: 6 credit hours

Selected in accordance with requirements of the college or university to which the student plans to transfer.²

Social/Behavioral Sciences*: 6 credit hours

Natural Sciences*: 8 credit hours

Mathematics*: 3 credit hours

*See "Courses Satisfying General Education Core Requirements" in the next column or degree program fliers *beginning on page 49 of the catalog* for specific courses meeting this requirement.

Additional Courses: 19 credit hours

Courses must be appropriate to the program in which the student plans to major upon transfer as listed under the program of study (Substitutions or waivers require approval.)

Total: 60 credit hours

Courses Satisfying General Education Core Requirements

When core requirements are listed as electives in a program of study, the courses must be selected from the following:

Course ID	Course Name	Credits
History Elective - Choose from the following:		
HIST 1110	Survey of World Civilization I	3
HIST 1120	Survey of World Civilization II	3
HIST 2010	Survey of United States History I	3

Course ID	Course Title	Credits
HIST 2020	Survey of United States History II	3
HIST 2030	Tennessee History	3

Humanities/Fine Arts Elective - Choose from the following:

ART 1030	Introduction to the Visual Arts	3
ARTH 2010	Survey of Art History I	3
ARTH 2020	Survey of Art History II	3
ENGL 2015	Introduction to Film Studies	3
ENGL 2130	Survey of American Literature	3
ENGL 2230	Survey of British Literature	3
ENGL 2330	Survey of World Literature	3
ENGL 2920	Survey of African American Literature	3
HUM 1130	Arts and Culture I	3
HUM 1131	Arts and Culture II	3
MUS 1030	Music Appreciation	3
PHIL 1030	Introduction to Philosophy	3
PHIL 2030	Introduction to Ethics	3
PHIL 2033	Major World Religions	3
THEA 1030	Intro to Theatre and Performance	3

Mathematics Elective - Choose from the following:

MATH 1010	Math for Liberal Arts	3
MATH 1530	Elementary Statistics	3
MATH 1630	Finite Math	3
MATH 1710	Precalculus Algebra	3
MATH 1720	College Trigonometry	3
MATH 1730	Pre-calculus	3
MATH 1720	College Trigonometry	3
MATH 1830	Applied Calculus	3
MATH 1910	Calculus and Analytic Geometry I	4

Natural Sciences Elective - Choose from the following:

ASTR 1030	Astronomy	4
BIOL 1030	Introduction to Biology	4
(Note: BIOL 1030 cannot be paired with BIOL 1010, BIOL 1020, BIOL 1110, BIOL 1120, BIOL 2010, or BIOL 2020 to fulfill the science general education requirement.)		
BIOL 1110	General Biology I	4
BIOL 1120	General Biology II	4
BIOL 2010	Human Anatomy and Physiology I	4
BIOL 2020	Human Anatomy and Physiology II	4
CHEM 1110	General Chemistry I	4
CHEM 1120	General Chemistry II	4
GEOG 1010	Physical Geography I	4
GEOG 1020	Physical Geography II	4
PHYS 2010	Elements of Physics I	4
PHYS 2020	Elements of Physics II	4
PHYS 2110	Physics I	4
PHYS 2120	Physics II	4
PSCI 1030	Physical Science	4

Social/Behavioral Sciences Elective - Choose from the following:

ECON 2010	Macroeconomics	3
ECON 2020	Microeconomics	3
GEOG 2010	World Regional Geography	3
PHED 2120	Essential Lifetime Wellness	3
POLS 1030	American Government	3
POLS 1501	Introduction to International Affairs	3
POLS 2010	State and Local Government	3
POL 201	Introduction to Politics and Government	3
PSYC 1030	General Psychology	3
PSYC 2130	Life Span Psychology	3
SOCI 1010	Introduction to Sociology	3
SOCI1020	Social Problems	3
SOC 210	Cultural Anthropology	3
SOCI 2010	Marriage and Family	3

¹ See "Tennessee Board of Regents' General Education Requirements and Undergraduate Requirements," p. 45.

² Students transferring to a TBR university should take U.S. History; students transferring to other universities should take the sequence required at the university to which they are transferring. Students who lack the required one unit (one year) of American History from high school as an admissions requirements must complete six (6) semester hours of U.S. History or three (3) semester hours of U.S. History and three (3) semester hours of Tennessee History to fulfill the history requirement in general education.

Degree Requirements for the Associate of Arts (A.A.)

General degree requirements for the Associate of Arts degree are the same as those listed for the Associate of Science. In addition, the Associate of Arts requires proficiency in a foreign language equivalent to completion of one year of college-level work. This requirement may be met by completion of six (6) hours of the same foreign language or through credit by exam.

Tennessee Transfer Pathway Major

In support of the Complete College Tennessee Act of 2010, the Tennessee transfer pathways promote the community college service of transfer preparation and recognize that one of the characteristics of an effective community college provides for success in ensuring that students achieve their goals-momentum toward completion in completing degrees and transferring.

TBR Community College Pathways to University of Tennessee and Tennessee Board of Regents parallel transfer routes are for students who plan to transfer into a TBR or UT university baccalaureate program. *See program fliers for specific information and course requirements for each Tennessee Transfer Pathway beginning on page 53 of the catalog.*

- Accounting
- Agriculture - Agricultural Business
- Agriculture - Animal Science
- Agriculture - Plant and Soil Science
- Art (Studio)
- Biology
- Business Administration
- Chemistry
- Criminal Justice
- Economics - Business
- Engineering, Civil
- Engineering, Mechanical
- English
- Exercise Science
- Foreign Language
- Geography
- History
- Information Systems
- Mass Communication
- Mathematics
- Music
- Physics
- Political Science
- Pre-Health Professions (Pre-Dentistry, Medicine, Optometry, Pharmacy, and Veterinarian)
- Pre-Occupational Therapy
- Pre-Physical Therapy
- Psychology
- Social Work
- Sociology
- Speech Communication
- Theatre Arts

Columbia State Community College - General Transfer Major

These degrees are for students who plan to transfer into university baccalaureate program. *See program fliers for specific information and course requirements for each General Transfer Major beginning on page 115 of the catalog.*

- Commercial Entertainment
- Early Childhood Education
- General Transfer, No Emphasis
- Graphic Design
- Humanities
- Public Relations
- Teaching: K-5 (AST degree)*

*Students planning to pursue a degree in secondary education should major in general transfer with an emphasis in the subject that they plan to teach. Electives could include EDU 201 and EDU 221.

Associate of Applied Science Degree and Certificate Requirements

General Degree Requirements

All associate degrees awarded by Columbia State Community College shall require a minimum of 60 semester credit hours with an overall Grade Point Average (GPA) of at least 2.0. The GPA includes all classes taken including those not required for the degree. Students must earn 25% of total program credits in residence at Columbia State. Students may not earn a degree or certificate before completing all Learning Support competencies as required by their program of study. Credit hours earned in Learning Support or other courses for institutional credit only are not applicable as credit hours required for the degree.

Associate of Applied Science Degree and Certificate Requirements

General Degree Requirements for the Associate of Applied Science (A.A.S.)

Total semester hours for the Associate of Applied Science degree vary from 60-74 hours with a GPA of at least 2.0 in program courses. Specific degree requirements for majors leading to the Associate of Applied Science degree are listed under each major.

General education course requirements for the A.A.S. are as follows:

English Composition:	3 credit hours
ENGL 1010 - Composition I Credits: (3)	
Humanities/Fine Arts*:	3 credit hours
Social/Behavioral Sciences*:	3 credit hours
Natural Sciences/Mathematics*:	3-4 credit hours
Additional Course*:	3-4 credit hours
Total:	15-17 credit hours

*See A.A.S. major for specific courses meeting this requirement.

Associate of Applied Science Degree (Career-Entry Programs)

The Associate of Applied Science degree is designed for the student who wishes to move directly into the job market after graduation. See *program fliers* for specific information and course requirements for each Associate of Applied Science degree beginning on page 130 of the catalog.

- Advanced Integrated Industrial Technology
 - Option I: Mechatronics
 - Option II: Multi Skilled Technician
- Business
- Criminal Justice Technology
 - Option: Law Enforcement
- General Technology
 - Option I: Business Directed Sequence
- Health Sciences

- Information Systems Technology
 - Option I: Computer Networking/Cyber Security
 - Option II: Information Systems Specialist
 - Option III: Medical Office Technology
 - Option IV: Mobile Technologies
 - Option V: Office Information Technology
- Medical Informatics
- Nursing
- Radiologic Technology
- Respiratory Care
- Veterinary Technology

Academic Certificate Programs

Minimum Degree Requirements for Academic Certificates

Academic Certificates requirements vary with each certificate. An academic certificate may require a minimum of 12 semester credit hours to a maximum of one full year of coursework. 25% of the total credits required must be taken from the approved general education course listing. Students seeking an academic certificate must earn a minimum of 50% of the credits required for that certificate in residence at Columbia State with an overall grade point average of at least 2.0. Students can only receive two academic certificates if they receive an A.A. or A.S. and an A.A.S.

- A.A./A.S. General Education Core
- A.A.S. General Education Core
- Pre-Allied Health General Education Core

Technical Certificate Programs

Minimum Degree Requirements for Technical Certificates

Specific requirements for technical certificates vary. See specific requirements under each certificate. Students seeking a certificate must earn a minimum of 50% of the credits required for that certificate in residence at Columbia State with an overall grade point average of at least 2.0. This includes all classes taken even those not required for the certificate.

These certificates are designed to allow students to gain entry-level proficiency in specific skills. See *program fliers* for specific information and course requirements for each Technical Certificate beginning on page 166 of the catalog.

- Advanced Integrated Industrial Technology
- Basic Early Childhood Education
- Business
- Commercial Entertainment
 - Option I: Songwriting
 - Option II: Performance
- Computed Topography
- Emergency Medical Services
 - Emergency Medical Technician (Basic)
 - Advanced Emergency Medical Technician (AEMT)
- Paramedic
- Film Crew Technology

Program and Career Description:



The Accounting emphasis is a two-year program for students planning to complete a bachelor's degree in Accounting or Marketing. Students pursuing careers in accounting, sales, retail management, marketing, or advertising should consider this degree. Below are a few examples of career and salary information.

Career	Median Salary with BS degree	Experienced Salary Median
Retail Sales	\$37,200	\$47,850
Accounting	\$40,370	\$50,340

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

ACCOUNTING

Associate of Science degree

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.



ACCOUNTING

Major in Tennessee Transfer Pathway with Emphasis in Accounting (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not be paired with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement

MATH 1530*

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020

Major Required Courses

ACCT 1010, 1020
MATH 1630, 1830
INFS 1010
Electives**

*Students who plan to transfer to University of Tennessee at Knoxville must complete MATH 2050, Calculus-based Probability and Statistics.

**Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___	History Requirement	3
___ INFS 1010	Computer Applications	3
___ ECON 2010	Macroeconomics	3
___ MATH 1530	Elementary Statistics	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___	Natural Sciences Requirement	4
___ ECON 2020	Microeconomics	3
___	History Requirement	3
___	Electives** (MATH 1130 if required)	3
		16

Second Year – Fall Semester

___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___	Humanities/Fine Arts	3
___ ACCT 1010	Principles of Accounting I	3
___ MATH 1630	Finite Math	3
___	Elective**	1
		13

Second Year – Spring Semester

___	Literature Requirement	3
___ ACCT 1020	Principles of Accounting II	3
___	Natural Sciences Requirement	4
___	Humanities/Fine Arts	3
___ MATH 1830	Applied Calculus	3
		16

TOTAL CREDIT HOURS 60

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Arts Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:

Mike Harvey at
jharvey@columbiastate.edu or 931.540.2679
or
Science, Technology and Math Division office at
931.540.2710



Program and Career Description:

The Agricultural Business emphasis is a two-year program for students planning to complete a bachelor's degree in Agricultural Business or Agricultural Economics. Students pursuing careers in agricultural sales, management, and statistics should consider this degree. Below are a few examples of career and salary information.

Career	Beginning Salary with BS degree	Experienced Salary Median
Agricultural Sales	\$41,260	\$60,470
Agri Business Management	\$38,600	\$42,960
Agricultural Statistics	\$43,610	\$60,820

Career and salary information taken from www.bls.gov and jobs4tn.gov. Check out these web sites for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

AGRICULTURE - AGRICULTURAL BUSINESS

Major in Tennessee Transfer Pathway with Emphasis in Agriculture - Agricultural Business (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement

BIOL 1110
CHEM 1110

Mathematics Requirement

MATH 1530*

*Students planning to transfer to the University of Tennessee at Knoxville must complete MATH 2050, calculus-based probability and statistics.

Social/Behavioral Sciences

ECON 2010, 2020

Major Required Courses

AGRI 1010, 1020, 1030**
Agriculture Elective Options: AGRI 1040 or AGRI 1050**
MATH 1830
Electives***

**Agriculture courses have very limited offerings and should be considered first in registration.

***Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ ECON 2010	Macroeconomics	3
___ Humanities/Fine Arts		3
___ MATH 1530	Elementary Statistics	3
___ AGRI 1020	Introduction to Animal Science**	4
		16

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ ECON 2020	Microeconomics	3
___ History Requirement		3
___ AGRI 1010	Introduction to Agricultural Business**	3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ History Requirement		3
___ BIOL 1110	General Biology I	4
___ Humanities/Fine Arts		3
___ Agriculture Elective**		3-4
		16-17

Second Year – Spring Semester

___ CHEM 1110	General Chemistry I	4
___ MATH 1830	Applied Calculus	3
___ AGRI 1030	Introduction to Plant Science**	3
___ Electives***		2-3
		12-13

TOTAL CREDIT HOURS 60

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

**For more information contact:
Dearl Lampley at
dlampley@columbiastate.edu or 931.540.2678
or
Science, Technology & Math Division office at
931.540.2710**



Program and Career Description:

The Agriculture - Animal Science emphasis is a two-year program for students planning to complete a bachelor's degree in Animal Science. Students pursuing careers in farm/ranch management, animal product sales, and animal health technician should consider this degree. Bachelor degree graduates could also be considered for wildlife officer positions. Below are a few examples of career and salary estimates.

Career	Beginning Salary with BS degree	Experienced Salary Median
Farm/Ranch Managers	\$44,000	\$51,980
Animal Product Sales	\$41,260	\$60,470
Animal Health Technician	\$26,350	\$30,810

Career and salary information taken from www.bls.gov and jobs4tn.gov. Check out these web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.



AGRICULTURE - ANIMAL SCIENCE

Major in Tennessee Transfer Pathway with Emphasis in Agriculture - Animal Science (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement
BIOL 1110, 1120

Mathematics Requirement
MATH 1530

Social/Behavioral Sciences (Take 2 courses)
ECON 2010 or 2020 (required)
Additional course choices include:
ECON 2010, 2020 (Cannot be used more than once to satisfy program requirements)
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCL 1010, 1020, 2010

Major Required Courses
CHEM 1110, 1120
AGRI 1020, 1030*
Agriculture Elective Options: AGRI 1010 or 1040 or 1050*
Elective**

*Agriculture courses have very limited offerings and should be considered first in registration.

**Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ BIOL 1110	General Biology I	4
___ MATH 1530	Elementary Statistics	3
___ AGRI 1020	Introduction to Animal Science*	4
		14

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ BIOL 1120	General Biology II	4
___ ECON 2010	Macroeconomics or	
___ ECON 2020	Microeconomics	3
___ History Requirement		3
___ AGRI 1030	Introduction to Plant Science*	3
		16

Second Year – Fall Semester

___ Literature Requirement		3
___ History Requirement		3
___ CHEM 1110	General Chemistry I	4
___ Humanities/Fine Arts		3
___ Social/Behavioral Science		3
		16

Second Year – Spring Semester

___ CHEM 1120	General Chemistry II	4
___ Humanities/Fine Arts		3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Agriculture Electives*		3-4
___ Elective**		0-1
		14

TOTAL CREDIT HOURS 60

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:
Dearl Lampley at
dlampley@columbiastate.edu or 931.540.2678
or
Science, Technology & Math Division office at
931.540.2710



Program and Career Description:

The Plant and Soil Science emphasis is a two-year program for students planning to complete a bachelor's degree in Plant and Soil Science, Turf Grass, Landscape Design, or Crop Science. Students pursuing careers in agronomy sales, golf course management, landscape design, agronomy consulting, and environmental science should consider this degree. Below are a few examples of career and salary information.

Career	Beginning Salary with BS degree	Experienced Salary Median
Agronomy Sales	\$38,160	\$59,490
Turf Grass Management	\$43,870	\$46,430
Environmental Science	\$39,470	\$56,190

Career and salary information taken from www.bls.gov and jobs4tn.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

AGRICULTURE - PLANT AND SOIL SCIENCE

Major in Tennessee Transfer Pathway with Emphasis in Agriculture - Plant and Soil Science (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement
BIOL 1110, 1120

Mathematics Requirement
MATH 1530

Social/Behavioral Sciences (Take 2 courses)
ECON 2010 or 2020 (required)
Additional course choices include:
ECON 2010, 2020 (Cannot be used more than once to satisfy program requirements)
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses
CHEM 1110, 1120
AGRI 1020, 1030, 1050

*Agriculture courses have very limited offerings should be considered first in registration.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ BIOL 1110	General Biology I	4
___ MATH 1530	Elementary Statistics	3
___ AGRI 1020	Introduction to Animal Science*	4
		14

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ BIOL 1120	General Biology II	4
___ ECON 2010	Macroeconomics or	
___ ECON 2020	Microeconomics	3
___ History Requirement		3
___ AGRI 1030	Introduction to Plant Science*	3
		16

Second Year – Fall Semester

___ Literature Requirement		3
___ CHEM 1110	General Chemistry I	4
___ Humanities/Fine Arts		3
___ AGRI 1050	Introduction to Soil Science*	4
		14

Second Year – Spring Semester

___ CHEM 1120	General Chemistry II	4
___ Social/Behavioral Science		3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ History Requirement		3
___ Humanities/Fine Arts		3
		16

TOTAL CREDIT HOURS 60

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:
Dearl Lampley at
dlampley@columbiastate.edu or 931.540.2678
or
Science, Technology & Math Division office at
931.540.2710



Program and Career Description:

The Art (Studio) emphasis is a two-year program for students planning to complete a bachelor's degree at a four-year school. Individuals majoring in art have a variety of job careers such as artists, designers, and photographers. They may specialize in film, design for print such as magazines, craft artists, illustrators and cartoonists, sculptors, and even work in restoration projects. A few selected careers are listed below.

Career	Median Experience	High Level Experience
Craft Artists	\$41,100	\$48,300
Interior Designers	\$51,440	\$72,000
Photographer	\$26,670	\$50,000

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

ART (STUDIO)

Associate of Art degree

Transfer Options

Per the Complete College Tennessee Act of 2010, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

ART (STUDIO)

Major in Tennessee Transfer Pathway with Emphasis in Art (Studio) (A.A.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ENGL 2130, 2230, 2330, 2920
Two courses in Art History: ARTH 2010 and 2020

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not be paired with another BIOL)
BIOL 1110, 1120, 2010, 2020
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses

Foreign Language (one-year sequence in a single foreign language)

ARTP 1010, 1020*, 1110, 1120
Studio Art Elective (Take one) ART 2510, 2520, 2610, 2620, 2630, 2710, 2720

*Students who plan to attend East Tennessee State University or the University of Tennessee, Knoxville will complete Drawing I and a three-hour elective course in Studio Art rather than Drawing II.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Social/Behavioral Science		3
___ ARTH 2010	Survey of Art History I	3
___ SPAN 1010	Beginning Spanish I	3
___ Mathematics Requirement		3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ SPAN 1020	Beginning Spanish II	3
___ ARTH 2020	Survey of Art History II	3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ History Requirement		3
___ Natural Science Requirement		4
___ ARTP 1010	Drawing I	3
___ ARTP 1110	Two Dimensional Design	3
		16

Second Year – Spring Semester

___ Natural Science Requirement		4
___ History Requirement		3
___ ARTP 1020	Drawing II*	3
___ ARTP 1120	Three Dimensional Design	3
___ Studio Art Elective		3
		16

TOTAL CREDIT HOURS 62

Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:
Herbert Cobb at
hcobb@columbiastate.edu or 931.540.2872
or
Humanities & Social Sciences Division office at
931.540.2780



Program and Career Description:

The Biology emphasis is a two-year program for students planning to complete a bachelor's degree in biology or a related discipline such as microbiology, genetics, biotechnology, and ecology. Students pursuing careers in biological research, science education, and wildlife management should consider this degree. Below are a few examples of career and salary estimates.

Career	Beginning Salary with BS degree	Experienced Salary Median
Biological Scientist	\$38,740	\$66,560
Biological Technicians	\$25,680	\$33,740
Biological Science Teacher	\$29,850	\$52,480

Career Salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

BIOLOGY

Associate of Science degree

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

BIOLOGY

Major in Tennessee Transfer Pathway with Emphasis in Biology (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement
BIOL 1110, 1120

Mathematics Requirement
MATH 1910

Social/Behavioral Sciences (Take 2 courses)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCT 1010, 1020, 2010

Major Required Courses
MATH 1530 or MATH 1920*
CHEM 1110, 1120, 2010, 2020**

*At UT-Knoxville, the math course must be MATH 1920.

**At UT-Knoxville, this sequence must be Organic Chemistry I and either a course in cell biology with laboratory or genetics with laboratory.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ BIOL 1110	General Biology I	4
___ CHEM 1110	General Chemistry I	4
___ MATH 1910	Calculus & Analytic Geometry I	4
___ ENGL 1010	Composition I	3
		15

First Year – Spring Semester

___ BIOL 1120	General Biology II	4
___ CHEM 1120	General Chemistry II	4
___ MATH 1920	Calculus & Analytic Geometry II or	
___ MATH 1530	Elementary Statistics	3-4
___ ENGL 1020	Composition II	3
		14-15

Second Year – Fall Semester

___ CHEM 2010	Organic Chemistry I**	4
___	Literature Requirement	3
___	History Requirement	3
___	Social/Behavioral Science	3
___	Humanities/Fine Arts	3
		16

Second Year – Spring Semester

___ CHEM 2020	Organic Chemistry II**	4
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___	History Requirement	3
___	Social/Behavioral Science	3
___	Humanities/Fine Arts	3
		16

TOTAL CREDIT HOURS 61-62

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:
Mandy Carter-Lowe at
mcarterlowe@columbiastate.edu or 931.540.2675
or
Science, Technology & Math Division office at
931.540.2710

BUSINESS ADMINISTRATION

Associate of Science degree



Program and Career Description:

The Business Administration emphasis is a two-year program for students planning to complete a bachelor's degree in Business Administration, Finance or Marketing. Management Students pursuing careers in business management, sales, retail management, marketing, or advertising should consider this degree. Below are a few examples of career and salary information.

Career	Median Salary with BS degree
Administrative Services Manager	\$81,080
Sales Managers	\$105,260
Advertising, Promotions, and Marketing Managers	\$115,750

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are based on nationwide figures and are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.



BUSINESS ADMINISTRATION

Major in Tennessee Transfer Pathway with Emphasis in Business Administration (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not be paired with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement

MATH 1530*

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020

Major Required Courses

ACCT 1010, 1020
MATH 1630, 1830
INFS 1010
Electives**

*Students who plan to transfer to University of Tennessee at Knoxville must complete MATH 2050, Calculus-based Probability and Statistics.

**Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in MyChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ MATH 1530	Elementary Statistics	3
___ INFS 1010	Computer Applications	3
___ ECON 2010	Macroeconomics	3
___ History Requirement		3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ MATH 1630	Finite Math	3
___ ECON 2020	Microeconomics	3
___ Humanities/Fine Arts		3
___ History Requirement		3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ ACCT 1010	Principles of Accounting I	3
___ Natural Sciences Requirement		4
___ MATH 1830	Applied Calculus	3
		16

Second Year – Spring Semester

___ ACCT 1020	Principles of Accounting II	3
___ Natural Sciences Requirement		4
___ Humanities/Fine Arts		3
___ Electives**		4
		14

TOTAL CREDIT HOURS 60

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Arts Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:

Wendy York at
wYork2@columbiastate.edu or 931.540.2844
 or
 Science, Technology and Math Division office at
 931.540.2710



Program and Career Description:

The Chemistry emphasis is a two-year program for students planning to seek employment as a chemical technician or who plan to complete a bachelor's degree in such fields as Chemistry, Biochemistry, Chemical Engineering and Science Education, just to name a few. Students should consider this degree when pursuing careers in any of the fields described on the American Chemical Society (ACS) Website (<http://www.acs.org/content/acs/en/careers.html>) Also, a degree in chemistry is good preparation for students wishing to continue their post-baccalaureate education in graduate schools of chemistry, biochemistry, health related areas such as pharmacology and toxicology, as well as in professions schools of Medicine, Law, Pharmacy, Dentistry or Veterinary Science. Below are a few examples of career and salary estimates.

Career	Beginning Salary with BS degree	Experienced Salary Median
Chemical Technician	\$31,210	\$50,340
Chemical Engineer	\$63,140	\$104,180
High School Chemistry Teacher	\$37,910	\$53,540
Chemist	\$41,240	\$86,630

Career and salary information taken from <http://www.jobs4tn.gov>. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the Complete College Tennessee Act of 2010, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

CHEMISTRY

Major in Tennessee Transfer Pathway with Emphasis in Chemistry (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement
CHEM 1110, 1120

Mathematics Requirement
MATH 1910

Social/Behavioral Sciences (Take 2 courses)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCT 1010, 1020, 2010

Major Required Courses
CHEM 2010, 2020
MATH 1920
PHYS 2110, 2120

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Humanities/Fine Arts		3
___ CHEM 1110	General Chemistry I	4
___ MATH 1910	Calculus & Analytic Geometry I	4
		14

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ CHEM 1120	General Chemistry II	4
___ MATH 1920	Calculus & Analytic Geometry II	4
		14

Second Year – Fall Semester

___ Literature Requirement		3
___ Social/Behavioral Science		3
___ PHYS 2110	Physics I	4
___ CHEM 2010	Organic Chemistry I	4
___ History Requirement		3
		17

Second Year – Spring Semester

___ CHEM 2020	Organic Chemistry II	4
___ Social/Behavioral Science		3
___ History Requirement		3
___ Humanities/Fine Arts		3
___ PHYS 2120	Physics II	4
		17

TOTAL CREDIT HOURS 62

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web-sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:

David White at
dwhite16@columbiastate.edu or 931.540.2715
or
Science, Technology & Math Division office
at 931.540.2710



Program and Career Description:

The Criminal Justice emphasis is a two-year program for students planning to complete a bachelors degree in Criminal Justice. Students pursuing careers in security, law enforcement, and corrections should consider this degree. Below are a few examples of career and salary information.

Career	Beginning Salary with B.S. Degree	Experienced Salary Median
Municipal Police Officer	\$41,910	\$73,710
Corrections Officer	\$25,920	\$32,000
Security Officer	\$24,810	\$28,830

Career and salary information taken from www.bis.gov and jobs4tn.gov. Check out these web sites for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

CRIMINAL JUSTICE

Associate of Art / Associate of Science degree

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

CRIMINAL JUSTICE

Major in Tennessee Transfer Pathway with Emphasis in Criminal Justice (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)
ASTR 1030
BIOL 1030 (must not be paired with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)
MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences
PSYC 1030
SOCI 1010

Major Required Courses
CRMJ 1010, 1020, 2010, 2020
Electives*

*Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___	History Requirement	3
___	Mathematics Requirement	3
___ CRMJ 1010	Introduction to Criminal Justice	3
___ SOCI 1010	Introduction to Sociology	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___	Natural Sciences Requirement	4
___ PSYC 1030	General Psychology	3
___	History Requirement	3
___	Humanities/Fine Arts	3
		16

Second Year – Fall Semester

___	Literature Requirement	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ CRMJ 1020	Introduction to Legal Process	3
___	Humanities/Fine Arts	3
___ CRMJ 2010	Intro to Law Enforcement	3
		15

Second Year – Spring Semester

___ CRMJ 2020	Introduction to Corrections	3
___	Natural Sciences Requirement	4
___	Electives*	7
		14

TOTAL CREDIT HOURS 60

*If pursuing the A.A. degree, 6 of the 7 elective hours must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

**For more information contact:
Frank Miceli at
fmiceli@columbiastate.edu or
931.540.2758 or Text 606-627-2991
or
Science, Technology, and Math Division office at
931.540.2710**



Program and Career Description:

The Economic Studies is designed for transfer as an Economics Major, B.S., B.B.A. or B.S.B.A. degrees in Colleges or Schools of Business at any public university in Tennessee. Economics majors are successful in a wide variety of careers. Although various roles in businesses are most common, economics majors are successful in law, medicine, government, non-profits, and international relations, as well as in academic roles.

Career	Median Salary with BS degree	Experienced Salary Median
Financial Analyst	\$62,510	\$108,850
Staff Accountant	\$50,340	\$72,500
Marketing Analyst	\$60,800	\$85,310

Career and salary information taken from www.bls.gov. Check out this web sites for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

ECONOMICS - BUSINESS

Associate of Science degree

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.



ECONOMICS - BUSINESS

Major in Tennessee Transfer Pathway with Emphasis in Economics - Business (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not be paired with another BIOL.)
BIOL 1110, 1120, 2010, 2020
GEOG 1010, 1020
CHEM 1110, 1120
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement

MATH 1530*

Social/Behavioral Sciences

ECON 2010, 2020

Major Required Courses

ACCT 1010, 1020
MATH 1630, 1830
INFS 1010
Electives**

*Students who plan to transfer to University of Tennessee at Knoxville must complete MATH 2050, Calculus-based Probability and Statistics.

Students who plan to attend University of Memphis or East Tennessee State University should consult the catalog of their transfer university prior to registration.

**Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ ECON 2010	Macroeconomics	3
___ INFS 1010	Computer Applications	3
___ History Requirement		3
___ MATH 1530	Elementary Statistics	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ ECON 2020	Microeconomics	3
___ History Requirement		3
___ Electives**		4
		16

Second Year – Fall Semester

___ Literature Requirement		3
___ MATH 1630	Finite Math	3
___ Natural Sciences Requirement		4
___ ACCT 1010	Principles of Accounting I	3
___ Humanities/Fine Arts		3
		16

Second Year – Spring Semester

___ Natural Sciences Requirement		4
___ MATH 1830	Applied Calculus	3
___ ACCT 1020	Principles of Accounting II	3
___ Humanities/Fine Arts		3
		13

TOTAL CREDIT HOURS 60

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Arts Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:

Melissa Walker at

mwalker22@columbiastate.edu or 931.540.2615

or

Science, Technology and Math Division office at

931.540.2710



Program and Career Description:

Most careers in engineering require a bachelor's degree or higher so the Associate of Science in Civil Engineering is designed for students wanting to complete the first two years of the bachelor's degree in a community college setting. Our students work closely with science and math faculty and have ample access to science and computer labs. Below are a few examples of career and salary estimates for engineering. Please note that this pathway requires 66 credit hours and recommends one summer semester. Students will need to meet the requirements for MATH 1910 before their freshman fall semester.

Career	Beginning Salary with BS degree	Experienced Salary Median
Civil Engineers	\$53,480	\$81,260
Electrical Engineers*	\$58,640	\$86,210

*This pathway does not include all the required coursework for the Electrical Engineering A.S. Degree. Check with the transfer university and the University Center for transfer articulations with B.S. programs for advice on course selection.

Career and salary information taken from www.jobs4tn.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

Other schools in the area with civil engineering degrees include Lipscomb University, Vanderbilt University and the University of Alabama at Huntsville (UAH). Students transferring to one of these universities may be required to take additional courses; therefore, students must check with those institutions to find out the program requirements.

ENGINEERING - CIVIL

Major in Tennessee Transfer Pathway with Emphasis in Civil Engineering (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement
PHYS 2110, 2120

Mathematics Requirement
MATH 1910

Social/Behavioral Sciences (Take 2 courses)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOC 1010, 1020, 2010

Major Required Courses
CHEM 1110
ENGR 2110, 2120
MATH 1920, 2010, 2110, 2120

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:

Dr. Glenn Hudson at
chudson4@columbiastate.edu or 931.540.2703

or

David Fawcett at
dfawcett@columbiastate.edu or 931.540.2665

or

Science, Technology & Math Division Office
at 931.540.2710

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

Students requiring MATH 1130 and MATH 1730 should take these courses prior to beginning the following pathway to ensure timely completion.

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ MATH 1910	Calculus & Analytic Geometry I	4
___	History Requirement	3
___ PHYS 2110	Physics I	4
		14

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ MATH 1920	Calculus & Analytic Geometry II	4
___	History Requirement	3
___ PHYS 2120	Physics II	4
		14

First Year – Summer Semester

___	Literature Requirement	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
		6

Second Year – Fall Semester

___ MATH 2110	Calculus & Analytic Geometry III	4
___ ENGR 2110	Statics	3
___ CHEM 1110	General Chemistry I	4
___	Humanities/Fine Arts	3
___	Social/Behavioral Science	3
		17

Second Year – Spring Semester

___ MATH 2010	Linear Algebra	3
___ MATH 2120	Differential Equations	3
___ ENGR 2120	Dynamics	3
___	Humanities/Fine Arts	3
___	Social/Behavioral Science	3
		15

TOTAL CREDIT HOURS 66

The Associate of Science Civil Engineering Major requires 66 college-level credits. This is a transfer program which was granted an exception to the 60-hour limit requirement reached through Tennessee Board of Regents consensus. The exception was granted due to additional hours needed to adequately cover the necessary learning outcomes in the program. Some courses have prerequisites and corequisites. See the Columbia State Catalog for more information.

Program and Career Description:



Most careers in engineering require a bachelor's degree or higher so the Associate of Science in Mechanical Engineering is designed for students wanting to complete the first two years of the bachelor's degree in a community college setting. Our students work closely with science and math faculty and have ample access to science and computer labs. Below are a few examples of career and salary estimates for engineering. Please note that this pathway requires 66 credit hours and recommends one summer semester. Students will need to meet the requirements for MATH 1910 before their freshman fall semester.

Career	Beginning Salary with BS degree	Experienced Salary Median
Mechanical Engineers	\$55,340	\$76,430
Electrical Engineers*	\$58,640	\$86,210

*This pathway does not include all the required coursework for the Electrical Engineering A.S. Degree. Check with the transfer university and the University Center for transfer articulations with B.S. program for advice on course selection.

Career and salary information taken from www.jobs4tn.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

Other schools in the area with mechanical engineering degrees include Lipscomb University, Vanderbilt University and the University of Alabama at Huntsville (UAH). Students transferring to one of these universities may be required to take additional courses; therefore, students must check with those institutions to find out the program requirements.

ENGINEERING - MECHANICAL

Major in Tennessee Transfer Pathway with Emphasis in Mechanical Engineering (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement
PHYS 2110, 2120

Mathematics Requirement
MATH 1910

Social/Behavioral Sciences (Take 2 courses)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses
CHEM 1110
ENGR 2110, 2120
MATH 1920, 2010, 2110, 2120

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:

Dr. Glenn Hudson at
chudson4@columbiastate.edu or 931.540.2703

or

David Fawcett at
dfawcett@columbiastate.edu or 931.540.2665

or

Science, Technology & Math Division Office
at 931.540.2710

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

Students requiring MATH 1130 and MATH 1730 should take these courses prior to beginning the following pathway to ensure timely completion.

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ MATH 1910	Calculus & Analytic Geometry I	4
___	History Requirement	3
___ PHYS 2110	Physics I	4
		14

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ MATH 1920	Calculus & Analytic Geometry II	4
___	History Requirement	3
___ PHYS 2120	Physics II	4
		14

First Year – Summer Semester

___	Literature Requirement	3
___ SPCH 1010	Fundamentals of Speech Communication or	3
___ SPCH 1030	Argumentation and Debate	3
		6

Second Year – Fall Semester

___ MATH 2110	Calculus & Analytic Geometry III	4
___ ENGR 2110	Statics	3
___ CHEM 1110	General Chemistry I	4
___	Humanities/Fine Arts	3
___	Social/Behavioral Science	3
		17

Second Year – Spring Semester

___ MATH 2010	Linear Algebra	3
___ MATH 2120	Differential Equations	3
___ ENGR 2120	Dynamics	3
___	Humanities/Fine Arts	3
___	Social/Behavioral Science	3
		15

TOTAL CREDIT HOURS 66

The Associate of Science Mechanical Engineering Major requires 66 college-level credits. This is a transfer program which was granted an exception to the 60-hour limit requirement reached through Tennessee Board of Regents consensus. The exception was granted due to additional hours needed to adequately cover the necessary learning outcomes in the program. Some courses have prerequisites and corequisites. See the Columbia State Catalog & Student Handbook for more information.



Program and Career Description:

The English emphasis is a two-year program for students planning to complete a bachelor's degree in English at a four-year school. Students pursuing careers in public relations, law, speech writing, customer service, or teaching in secondary schools should consider this degree. Individuals who later obtain a master's degree or higher in English should consider a career in human relations or higher education. A few examples of career and salary estimates are listed below.

Career	Median Salary in U.S. Annually
Legal Support Worker	\$48,550
Authors, Writers, and Editors	\$53,880
Education Secondary English	\$55,050

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

ENGLISH

Associate of Art degree

ENGLISH

Major in Tennessee Transfer Pathway with Emphasis in English (A.A.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 2 courses)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)
ASTR 1030
BIOL 1030 (must not take with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)
MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730,
1830, 1910

Social/Behavioral Sciences (Take 2 courses)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCL 1010, 1020, 2010

Major Required Courses*
ENGL 2130, 2230, 2330
Foreign Language (two-year sequence in a single
foreign language)
Elective**

*Any of these literature courses or ENGL 2920 will satisfy the third Humanities/Fine Arts requirement.

**Note: An elective can be any college-level course.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Mathematics Requirement		3
___ Humanities/Fine Arts		3
___ History Requirement		3
___ Foreign Language		3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ History Requirement		3
___ Foreign Language		3
		15

Second Year – Fall Semester

___ ENGL 2130	Survey of American Literature	3
___ Social/Behavioral Science		3
___ Natural Science Requirement		4
___ Humanities/Fine Arts		3
___ Foreign Language		3
		16

Second Year – Spring Semester

___ ENGL 2230	Survey of British Literature	3
___ ENGL 2330	Survey of World Literature	3
___ Natural Science Requirement		4
___ Foreign Language		3
___ Elective**		1
		14

TOTAL CREDIT HOURS 60

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:

Susanna Holmes at
rholmes@columbiastate.edu or 931.540.2779
or
Humanities & Social Sciences Division office at
931.540.2780

Program and Career Description:



The Exercise Science emphasis is a two-year program for students planning to complete a bachelor's degree at a four-year school. Students can pursue careers in area of Athletics and Wellness, Teachers of Physical Education, Personal Trainers, Dietitians, and Athletic Trainers. A few examples of career and salary estimates are listed below.

Career	Beginning Salary with BS degree	Experienced Salary Median
Physical Education Teacher	\$32,000 - \$51,000	\$41,000
Personal Trainer	\$17,000 - \$65,000	\$31,000
Exercise Physiologist	\$25,000 - \$65,000	\$45,000
Athletic Trainer	\$25,000 - \$70,000	\$47,500
Dietitian	\$33,000 - \$76,000	\$53,000

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

EXERCISE SCIENCE

Associate of Science degree

EXERCISE SCIENCE

Major in Tennessee Transfer Pathway with Emphasis in Exercise Science (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement

BIOL 2010, 2020

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences

PHED 2120
PSYC 1030

Major Required Courses

HED 231, 241
PHED 2220, 2320
PHED Activity Courses (Take 2 courses)
Electives*

*Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:

Peri Krichbaum at

pkrichbaum@columbiastate.edu or 931.540.2584

or

Humanities & Social Sciences Division office at
931.540.2780

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Mathematics Requirement		3
___ Humanities/Fine Arts		3
___ PHED 2120	Essential Lifetime Wellness	3
___ History Requirement		3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ PHED 2220	Introduction to Exercise Science	3
___ History Requirement		3
___ Humanities/Fine Arts		3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ PSYC 1030	General Psychology	3
___ BIOL 2010	Human Anatomy & Physiology I	4
___ HED 241	Principles of Nutrition	3
___ PHED Activity		1
___ Elective*		2
		16

Second Year – Spring Semester

___ BIOL 2020	Human Anatomy & Physiology II	4
___ HED 231	Safety & First Aid	3
___ PHED 2320	Care and Prevention of Athletic Injuries	3
___ PHED Activity		1
___ Elective*		3
		14

TOTAL CREDIT HOURS 60

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.



Program and Career Description:

The Foreign Language emphasis is a two-year program for students planning to complete a bachelor's degree at a four year school. Trained language interpreters and translators have job opportunities in a wide range of fields, including translating documents, conference interpreters, judiciary interpreters, and medical translators as well as teachers and professors in higher education. Most jobs are found in large urban areas like Washington D.C. Examples of jobs and salaries for some occupations are as follows:

Career	Median Experience	High Level Experience
Interpreters/Translators	\$43,300	\$52,000
Conference Interpreters	\$50,000	\$100,000 (specialty areas)
Federal Government Translators	\$38,690	\$79,865 (language specialist)

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

FOREIGN LANGUAGE

Associate of Art

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

FOREIGN LANGUAGE

Major in Tennessee Transfer Pathway with Emphasis in Foreign Language (A.A.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not be paired with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCT 1010, 1020, 2010

Major Required Courses

Foreign Language (Two-year Sequence in a single foreign language)
Electives*

*Note: An elective can be any college-level course.

Requirements for Graduation Include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___	Social/Behavioral Science	3
___	Humanities/Fine Arts	3
___ SPAN 1010	Beginning Spanish I	3
___	Mathematics Requirement	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___	Social/Behavioral Science	3
___ SPAN 1020	Beginning Spanish II	3
___	Humanities/Fine Arts	3
		15

Second Year – Fall Semester

___	Literature Requirement	3
___	History Requirement	3
___	Natural Science Requirement	4
___ SPAN 2010	Intermediate Spanish I	3
___	Elective*	3
		16

Second Year – Spring Semester

___	Natural Science Requirement	4
___	History Requirement	3
___ SPAN 2020	Intermediate Spanish II	3
___	Electives*	4
		14

TOTAL CREDIT HOURS 60

Please check websites of university departments of foreign language for additional information regarding advisement available to students majoring in foreign language.

**For more information contact:
Ana Basoa-McMillan at
abasoamcmillan@columbiastate.edu or
931.540.2876**

**or
Humanities & Social Sciences Division office at
931.540.2780**

Program and Career Description:



Program and Career Description: The Geography emphasis is a two-year program for students planning to complete a bachelor's degree at a four-year school. Students can pursue careers in many fields, including land use planning, computer mapping, social science research, and teaching. Geography majors with advanced higher education can teach at the college level. A few examples of career and salary estimates are listed below.

Career	Entry Level	Median	Experienced
Urban and Regional Planners	\$37,248	\$51,952	\$64,187
Social Scientist	\$39,554	\$57,899	\$71,622
Cartographer	\$37,407	\$47,775	\$59,105
GIS Technologist	\$38,440	\$65,269	\$80,218
Geography Teacher (secondary)	\$38,343	\$47,778	\$54,701
Geography Teacher (postsecondary)	\$30,174	\$61,162	\$73,396

Career and salary information taken from www.bls.gov and jobs4tn.gov. Check out these web sites for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

GEOGRAPHY

Major in Tennessee Transfer Pathway with Emphasis in Geography (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement
GEOG 1010, 1020

Mathematics Requirement
MATH 1130

Social/Behavioral Sciences (Take 2 courses)
ECON 2010, 2020
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses
GEOG 1030, 2010
MATH 1530
Electives*

*Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___	History Requirement	3
___ MATH 1530	Probability and Statistics	3
___	Social/Behavioral Sciences	3
___ GEOG 1030	Cultural Geography	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___	Humanities/Fine Arts	3
___	History Requirement	3
___	Social/Behavioral Sciences	3
		15

Second Year – Fall Semester

___	Literature Requirement	3
___ MATH 1130	College Algebra	3
___ GEOG 1010	Physical Geography I	4
___	Electives*	5
		15

Second Year – Spring Semester

___	Humanities/Fine Arts	3
___ GEOG 1020	Physical Geography II	4
___ GEOG 2010	World Regional Geography	3
___	Electives*	5
		15

TOTAL CREDIT HOURS 60

*If pursuing the A.A. degree, 6 of the 10 elective hours must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

**For more information contact:
Deborah Miller Toothaker at
dmiller28@columbiastate.edu or 931.540.2768
or
Humanities and Social Sciences Division office at
931.540.2780**



Program and Career Description:

The History emphasis is a two-year program for students planning to complete a bachelor's degree at a four-year school. Students can pursue careers in writing, film, historical restoration, secondary education, law, archival management, historic site and museum interpretation, and politics. History majors with advanced higher education degrees can teach at the college level. A few examples of career and salary estimates are listed below.

Career	Entry Level	Median Salary	Experienced Salary
Teacher (Secondary)	\$37,910	\$46,880	\$50,950
Teacher (Post Secondary)	\$28,840	\$49,610	\$59,680
Archivists	\$28,560	\$44,000	\$53,110
Curators	\$29,380	\$36,540	\$46,660

Career and salary information taken from www.jobs4tn.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

HISTORY

Associate of Art / Associate of Science degree

HISTORY

Major in Tennessee Transfer Pathway with Emphasis in History (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement
HIST 2010, 2020

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not take with another BIOL.)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 201
SOCL 1010, 1020, 2010

Major Required Courses

HIST 1110, 1120, 2030
Electives*

*Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___	Social/Behavioral Science	3
___	Humanities/Fine Arts	3
___ HIST 2010	Survey of United States History I	3
___	Mathematics Requirement	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___	Social/Behavioral Science	3
___ HIST 2020	Survey of United States History II	3
___	Humanities/Fine Arts	3
		15

Second Year – Fall Semester

___	Literature Requirement	3
___ HIST 1110	Survey of World Civilization I	3
___	Natural Science Requirement	4
___	Elective*	3
___	Elective*	3
		16

Second Year – Spring Semester

___	Natural Science Requirement	4
___ HIST 1120	Survey of World Civilization II	3
___ HIST 2030	Tennessee History	3
___	Elective*	3
___	Elective*	1
		14

TOTAL CREDIT HOURS 60

*If pursuing the A.A. degree, 6 of the 10 elective hours must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts degree at universities include demonstrated competency in a foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring.

For more information contact:
Dr. Barry Gidcomb at
bgidcomb@columbiastate.edu or 931.540.2716
or
Humanities & Social Sciences Division office at
931.540.2780



Program and Career Description:

The Information Systems emphasis is a two-year program for students planning to complete a bachelor's degree in Information Systems. Students pursuing careers in systems analysis, database administration, network administration, programming, and Web design should consider this degree. Below are a few examples of career and salary estimates.

Career	Salary Median
Database Administrator	\$72,230
Web Developer	\$52,920
Network and Computer Systems Administrator	\$66,270

Career and salary information taken from www.bls.gov. Check out this website for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.



INFORMATION SYSTEMS

Major in Tennessee Transfer Pathway with Emphasis in Information Systems (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not be paired with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement

MATH 1530**

Social/Behavioral Sciences

ECON 2010, 2020

Major Required Courses

ACCT 1010, 1020
INFS 1010*
MATH 1630, 1830
Electives***

*Students who plan to transfer to Austin Peay State University, East Tennessee State University, and the University of Tennessee at Chattanooga must complete CISP 1010 and 1020**** instead of INFS 1010 and electives. For these students, the total hours in the Major required courses will be 20 hours and total degree hours will be 61.

**Students who plan to transfer to the University of Tennessee must complete MATH 2050, Calculus-based Probability and Statistics.

***Note: An elective can be any college-level course.

**** CISP courses have very limited offerings and should be considered first in registration.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Natural Sciences Requirement		4
___ INFS 1010	Computer Applications	3
___ ACCT 1010	Principles of Accounting I	3
___ MATH 1530	Elementary Statistics	3
		16

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ Natural Sciences Requirement		4
___ History Requirement		3
___ ACCT 1020	Principles of Accounting II	3
___ Elective ***		3
		16

Second Year – Fall Semester

___ Literature Requirement		3
___ MATH 1630	Finite Math	3
___ History Requirement		3
___ Humanities/Fine Arts		3
___ ECON 2010	Macroeconomics	3
		15

Second Year – Spring Semester

___ MATH 1830	Applied Calculus	3
___ Humanities/Fine Arts		3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ ECON 2020	Microeconomics	3
___ Electives***		1
		13

TOTAL CREDIT HOURS 60

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:

Daniel Devers at
ddevers@columbiastate.edu or 931.540.2680
or
Science, Technology & Math Division office at
931.540.2710



Program and Career Description:

The Mass Communication emphasis is a two-year program for students planning to complete a bachelor's degree at a four-year school. Students can pursue careers as a writer, editor, news analyst, as well as a correspondent or desktop publisher. They are also employed in advertising, marketing, promotions, and public relations. Below are some selected occupations.

Career	Median Salary with BS degree	Experienced Salary Median
Writer/Editor	\$57,180	\$64,560
Reporter	\$35,328	\$44,030
Desktop Publisher	\$30,000	\$38,740

Career and salary information taken from www.bls.gov. Check out this website for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

MASS COMMUNICATION

Associate of Art / Associate of Science degree

MASS COMMUNICATION

Major in Tennessee Transfer Pathway with Emphasis in Mass Communication (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not be paired with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG, 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCL 1010, 1020, 2010

Major Required Courses

COMM 1010, 1020
Mass Communication Electives (Take 2 courses)
COMM 1030, COMM 1220, COMM 1240, COMM 2450
Electives*

*Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Social/Behavioral Science		3
___ COMM 1010	Introduction to Mass Communications	3
___ History Requirement		3
___ Mathematics Requirement		3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ COMM 1020	Media Writing	3
___ History Requirement		3
___ Humanities/Fine Arts		3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ Social/Behavioral Science		3
___ Natural Science Requirement		4
___ Mass Communication Elective		3
___ Elective*		3
		16

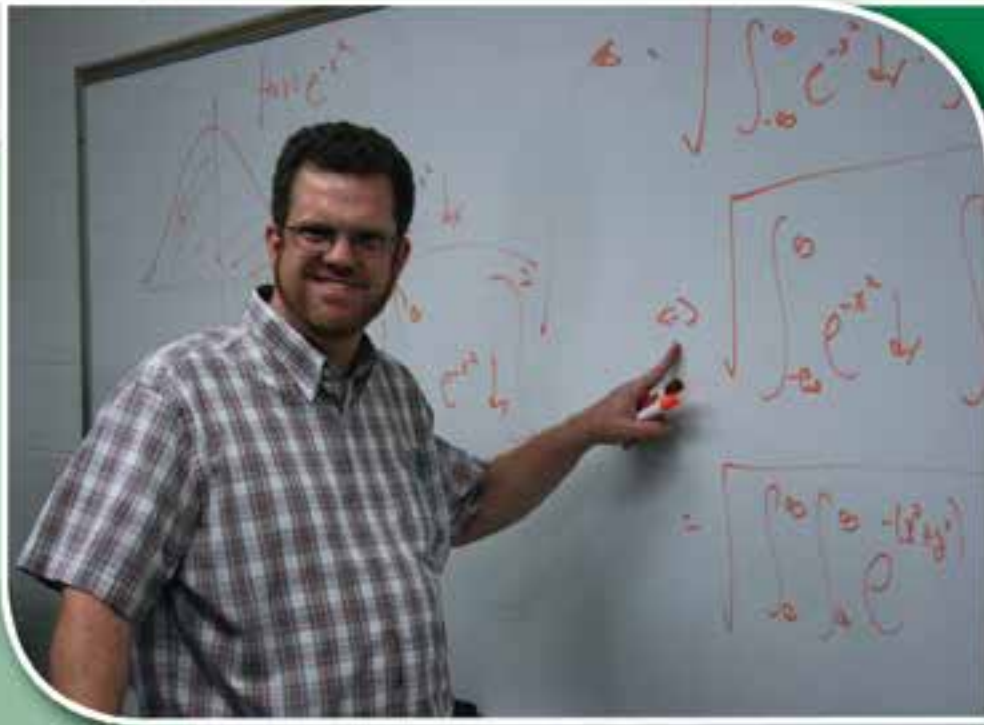
Second Year – Spring Semester

___ Natural Science Requirement		4
___ Humanities/Fine Arts		3
___ Mass Communication Elective		3
___ Electives*		4
		14

TOTAL CREDIT HOURS 60

*If pursuing the A.A. degree, 6 of the 7 elective hours must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation websites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:
Lacey Benns-Owens at
lbenns@columbiastate.edu or 931.540.2875
or
Humanities & Social Sciences Division office at
931.540.2780



Program and Career Description:

The Mathematics emphasis is a two-year program for students planning to complete a bachelor's degree in Mathematics. Students pursuing careers in actuarial science, operations research, statistics, teaching, and national security should consider this degree. Below are a few examples of career and salary estimates.

Career	Median Salary with BS degree	Experienced Salary Median
Actuary	\$47,360	\$69,250
Statistician	\$38,160	\$62,510
Mathematician	\$35,560	\$64,540

Career and salary information taken from www.jobs4tn.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

MATHEMATICS

Associate of Science degree

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

MATHEMATICS

Major in Tennessee Transfer Pathway with Emphasis in Mathematics (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not be paired with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement

MATH 1910

Social/Behavioral Sciences (Take 2 courses)*

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCL 1010, 1020, 2010

Major Required Courses

CISP 1010**
MATH 1920, 2010, 2110, 2120

*Students who wish to pursue a concentration in actuarial science available at the University of Tennessee, Chattanooga; Middle Tennessee State University; or Tennessee State University should complete ECON 2010 and ECON 2020 to fulfill the requirement in social/behavioral sciences.

**CISP courses have very limited offerings and should be considered first in registration.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

Students requiring MATH 1130 and MATH 1730 should take these courses prior to beginning the following pathway to ensure timely completion.

First Year – Fall Semester

___ ENGL 1010	Composition I	3	
___	Natural Science Requirement	4	
___	Humanities/Fine Arts	3	
___	MATH 1910	Calculus and Analytic Geometry I	4
		14	

First Year – Spring Semester

___ ENGL 1020	Composition II	3	
___	SPCH 1010	Fundamentals of Speech Communication or	
___	SPCH 1030	Argumentation and Debate	3
___	Natural Science Requirement	4	
___	MATH 1920	Calculus and Analytic Geometry II	4
		14	

Second Year – Fall Semester

___	Literature Requirement	3	
___	MATH 2110	Calculus and Analytic Geometry III	4
___	Social/Behavioral Science	3	
___	History Requirement	3	
___	CISP 1010	Computer Science I**	4
		17	

Second Year – Spring Semester

___	Social/Behavioral Science	3	
___	MATH 2120	Differential Equations	3
___	MATH 2010	Linear Algebra	3
___	History Requirement	3	
___	Humanities/Fine Arts	3	
		15	

TOTAL CREDIT HOURS 60

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:

James Smith at
jsmith@columbiastate.edu or 931.766.1481
or
Sciences, Technology and Math Division office at
931.540.2710



Program and Career Description:

The Associate of Fine Arts Degree in music provides both a broad liberal arts education and the skills necessary to explore music through its history, composition, theory, and performance. Students pursuing the universal transfer path in music may choose from two areas of emphasis: (1) instrumental education and performance, and (2) choral/vocal education and performance. In conjunction with 35 semester hours of general education requirements, students enroll in 26 semester hours of music courses in the music area of emphasis to complete the Associate of Fine Arts Degree.

Career	Median Experience - Average wage
Music Educators (elementary-high school)	\$53,090 - \$55,050 per year
Musicians/Singers	Number of jobs varies-hourly rate \$23.50
Music Directors/Composers	Hourly rate - \$22.77

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

MUSIC

Associate of Fine Arts

MUSIC

Major in Tennessee Transfer Pathway with Emphasis in Music (A.F.A.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts*

MUS 1030**

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not take with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses

MUS 1110, 1111, 1120, 1121, 1610, 1620, 2110, 2111
MUS 1910, 1920, 1930, 1940, 1950, 1960 (Take 8 credit hours)***

Take 4 credits of only one of the following courses:

MUS 1130 - This course is required for Instrumental Education and Performance students.
MUS 1410 - This course is required for Choral/Vocal Education and Performance students.

*Students will complete the remaining six hours of the humanities requirement, including one course in literature, at universities upon transfer.

**Students who plan to transfer to the University of Memphis should complete a course in literature rather than Music Appreciation.

***A student must sign up for their major instrument. Each course may be repeated for a maximum of 4 credits.

Students must successfully complete placement requirements in music theory, ear training, and piano at the university where transfer is planned. Students must also successfully complete required university auditions as appropriate.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

Students should take MUS 1810 Fundamentals of Music or may attempt to test out of the course prior to beginning the following pathway to ensure timely completion.

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ MUS 1030	Music Appreciation	3
___ Mathematics Requirement		3
___ MUS 1610	Class Piano I	1
___ MUS 1130	Instrumental Performance Ensemble or	
___ MUS 1410	College Chorus	1
___ MUS 1910 or MUS 1930 or MUS 1950***		2
		13

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Natural Science Requirement		4
___ MUS 1110	Music Theory I	3
___ MUS 1111	Aural Skills I	1
___ MUS 1620	Class Piano II	1
___ MUS 1130	Instrumental Performance Ensemble or	
___ MUS 1410	College Chorus	1
___ MUS 1910 or MUS 1930 or MUS 1950***		2
		18

Second Year – Fall Semester

___ History Requirement		3
___ Social/Behavioral Science		3
___ Natural Science Requirement		4
___ MUS 1120	Music Theory II	3
___ MUS 1121	Aural Skills II	1
___ MUS 1130	Instrumental Performance Ensemble or	
___ MUS 1410	College Chorus	1
___ MUS 1920 or MUS 1940 or MUS 1960***		2
		17

Second Year – Spring Semester

___ History Requirement		3
___ MUS 2110	Music Theory III	3
___ MUS 2111	Aural Skills III	1
___ Social/Behavioral Science		3
___ MUS 1130	Instrumental Performance Ensemble or	
___ MUS 1410	College Chorus	1
___ MUS 1920 or MUS 1940 or MUS 1960***		2
		13

TOTAL CREDIT HOURS 61

For more information contact:

Dr. Mark Lee at
mlee@columbiastate.edu or 931.540.2874

or
Humanities & Social Sciences Division office at
931.540.2780



Program and Career Description:

The Physics emphasis is a two-year program for students planning to complete a bachelor's degree in Physics. Students pursuing careers in physics instruction, basic research, industry, space and earth sciences, or seeking a graduate degree in physics should consider this degree (see <http://www.aip.org/careersvc/pify/indigo.html> for more career information). Below are a few examples of career and salary estimates.

Career	Median Salary with BS degree	Experienced Salary Median
Physicist	\$71,280	\$100,480
Physics Teacher, Postsecondary	\$47,210	\$68,880
Atmospheric & Space Scientists	\$56,520	\$84,860

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

Other schools in the area with physics degrees include, Lipscomb University, Vanderbilt University, and the University of Alabama at Huntsville (UAH). Students transferring to one of these universities may be required to take additional courses; therefore, students must check with those institutions to find out the program requirements.

PHYSICS

Associate of Science degree

PHYSICS

Major in Tennessee Transfer Pathway with Emphasis in Physics (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement
PHYS 2110, 2120

Mathematics Requirement
MATH 1910

Social/Behavioral Sciences (Take 2 courses)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCL 1010, 1020, 2010

Major Required Courses
CISP 1010*
MATH 1920, 2010, 2110, 2120

* CISP courses have very limited offerings and should be considered first in registration.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:

David Fawcett at

dfawcett@columbiastate.edu or 931.540.2665

or

Sciences, Technology and Math Division office at
931.540.2710

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

Students requiring MATH 1130 and MATH 1730 should take these courses prior to beginning the following pathway to ensure timely completion.

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Social/Behavioral Science		3
___ Humanities/Fine Arts		3
___ History Requirement		3
___ MATH 1910	Calculus and Analytic Geometry I	4
		16

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ History Requirement		3
___ MATH 1920	Calculus and Analytic Geometry II	4
		16

Second Year – Fall Semester

___ Literature Requirement		3
___ MATH 2110	Calculus and Analytic Geometry III	4
___ PHYS 2110	Physics I	4
___ CISP 1010	Computer Science I*	4
		15

Second Year – Spring Semester

___ PHYS 2120	Physics II	4
___ MATH 2010	Linear Algebra	3
___ Humanities/Fine Arts		3
___ MATH 2120	Differential Equations	3
		13

TOTAL CREDIT HOURS 60

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

Program and Career Description:



The Political Science emphasis is a two-year program for students planning to complete a bachelor's degree at a four-year school. Individuals majoring in political science have a variety of job careers such as lawyers, politicians, and police officers. A few selected careers are listed below.

Career	Median Experience - Average wage
Lawyer	\$124,750
Police Officer	\$52,810
Court Reporter	\$51,960

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the Complete College Tennessee Act of 2010, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

POLITICAL SCIENCE

Associate of Art / Associate of Science degree

POLITICAL SCIENCE

Major in Tennessee Transfer Pathway with Emphasis in Political Science (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not be paired with another BIOL.)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement

MATH 1530

Social/Behavioral Sciences

ECON 2010 (required)

Take one course from the following:

ECON 2020
GEOG 2010
PHED 2120
POL 201, POLS 1501, 2010 (Cannot be used more than once to satisfy program requirements)
PSYC 1030, 2130
SOC 210
SOC 1010, 1020, 2010

Major Required Courses

POL or POLS Elective (POL 201 or POLS 1501 or POLS 2010)
POLS 1030
Electives*

*Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ ECON 2010	Macroeconomics	3
___ MATH 1530	Elementary Statistics	3
___ Humanities/Fine Arts		3
___ Elective*		3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ POLS 1030	American Government	3
___ Elective*		3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ History Requirement		3
___ Natural Science Requirement		4
___ Humanities/Fine Arts		3
___ Elective*		3
		16

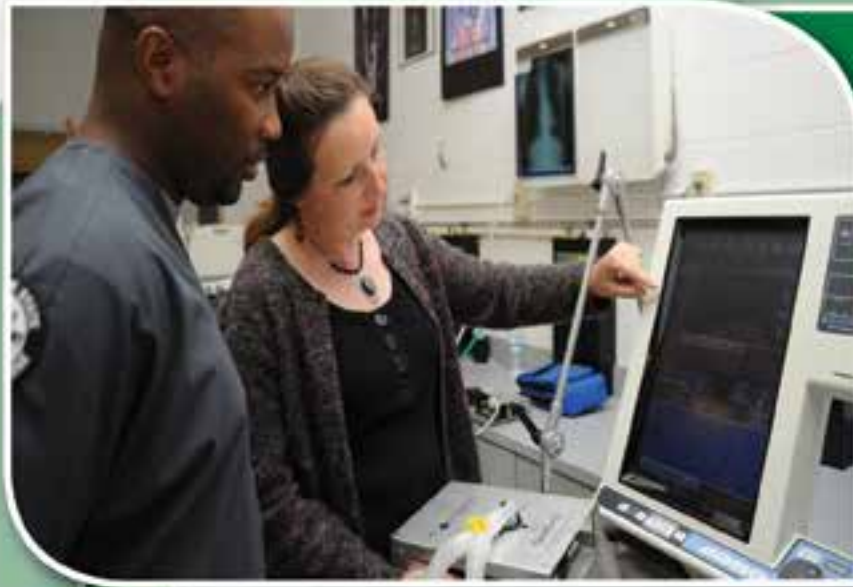
Second Year – Spring Semester

___ Natural Science Requirement		4
___ POL or POLS Elective		3
___ History Requirement		3
___ Elective*		4
		14

TOTAL CREDIT HOURS 60

*If pursuing the A.A. degree, 6 of the 13 elective hours must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:
Stuart Lenig at
slenig@columbiastate.edu or 931.540.2877
or
Humanities & Social Sciences Division office at
931.540.2780



Program and Career Description:

The Pre-Health Professions emphasis is a two-year program for students planning to enter professional schools of medicine, pharmacy, dentistry, veterinarian medicine and optometry. Students pursuing careers in pharmacy may go directly from Columbia State Community College to pharmacy school if accepted. Pre-medicine, Pre-Dentistry, Pre-Veterinarian, and Pre-Optometry students will need additional course work at a university. Below are a few examples of career and salary estimates.

Career	Salaries upon completion of Profession School	Experienced Salary Median
Medical, General Practice	\$82,270	\$172,770
Dentists, General	\$105,420	\$170,690
Pharmacists	\$91,860	\$120,620
Veterinarians	\$54,810	\$74,580
Optometrist	\$66,560	\$107,110

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

PRE-HEALTH PROFESSIONS

Major in Tennessee Transfer Pathway with Emphasis in Pre-Health Professions (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement

CHEM 1110, 1120

Mathematics Requirement (Take one course)

MATH 1830, 1910*

Social/Behavioral Sciences (Take two courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCL 1010, 1020, 2010

Major Required Courses

Electives**

(Choose two of the following three sequences)***

BIOL 1110, 1120
CHEM 2010, 2020
PHYS 2010, 2020 or higher

* MATH 1910 is highly recommended

** Note: An elective can be any college-level course.

*** BIOL and CHEM sequence courses are highly recommended over PHYS sequence courses

Sample Schedule

First Year – Fall Semester

___ BIOL 1110	General Biology I	4
___ CHEM 1110	General Chemistry I	4
___ MATH Requirement		3
___ ENGL 1010	Composition I	3
		14

First Year – Spring Semester

___ BIOL 1120	General Biology II	4
___ CHEM 1120	General Chemistry II	4
___ History Requirement		3
___ ENGL 1020	Composition II	3
		14

Second Year – Fall Semester

___ CHEM 2010	Organic Chemistry I or	
___ PHYS 2010	Elements of Physics I***	4
___ Literature Requirement		3
___ Elective**		3
___ Social/Behavioral Science		3
___ Humanities/Fine Arts		3
		16

Second Year – Spring Semester

___ CHEM 2020	Organic Chemistry II or	
___ PHYS 2020	Elements of Physics II***	4
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ History Requirement		3
___ Social/Behavioral Science		3
___ Humanities/Fine Arts		3
		16

TOTAL CREDIT HOURS 60

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:

Mandy Carter-Lowe at
mcarterlowe@columbiastate.edu or 931.540.2675
 or
 Science, Technology & Math Division Office
 at 931.540.2710

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.



Program and Career Description:

The Pre-Occupational Therapy emphasis is a two-year program for students planning to enter professional schools of occupational therapy. Students may need to take additional classes at a university prior to being accepted into a professional school. Below are a few examples of career and salary estimates.

Career	Salaries upon completion of Profession School	Experienced Salary Median
Occupational Therapist	\$60,350	\$75,530

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

PRE-OCCUPATIONAL THERAPY

Associate of Science degree

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

PRE-OCCUPATIONAL THERAPY

Major in Tennessee Transfer Pathway with Emphasis in Pre-Occupational Therapy (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement

BIOL 1110, 1120

Mathematics Requirement

MATH 1530

Social/Behavioral Sciences

PSYC 1030
(Take one course)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 2130
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses

MATH 1720*
BIOL 2010, 2020
CHEM 1110
PHYS 2010

*Math prerequisites will have to be met prior to taking this course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

Students requiring MATH 1000 and 1710 should take these courses prior to beginning the following pathway to ensure timely completion.

First Year – Fall Semester

___ BIOL 1110	General Biology I	4
___ MATH 1530	Elementary Statistics	3
___ History Requirement		3
___ ENGL 1010	Composition I	3
		13

First Year – Spring Semester

___ BIOL 1120	General Biology II	4
___ ENGL 1020	Composition II	3
___ History Requirement		3
___ Social/Behavioral Science		3
		13

Second Year – Fall Semester

___ BIOL 2010	Human Anatomy & Physiology I	4
___ Literature Requirement		3
___ CHEM 1110	General Chemistry I	4
___ PSYC 1030	General Psychology	3
___ Humanities/Fine Arts		3
		17

Second Year – Spring Semester

___ BIOL 2020	Human Anatomy & Physiology II	4
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ PHYS 2010	Elements of Physics I	4
___ MATH 1720	College Trigonometry	3
___ Humanities/Fine Arts		3
		17

TOTAL CREDIT HOURS 60**

**Additional hours of coursework may be required prior to acceptance into a professional school. Please check with the institution you wish to transfer to for any prerequisites.

For more information contact:
Karen Kendall-Fite at
kendall-fite@columbiastate.edu or 931.540.2696
or
Science, Technology & Math Division Office
at 931.540.2710



Program and Career Description:

The Pre-Physical Therapy emphasis is a two-year program for students planning to enter professional schools of physical therapy. Students may need to take additional classes at a university prior to being accepted into a professional school. Below are a few examples of career and salary estimates.

Career	Salaries upon completion of Profession School	Experienced Salary Median
Physical Therapist	\$60,350	\$78,430

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

PRE-PHYSICAL THERAPY

Associate of Science degree

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

PRE-PHYSICAL THERAPY

Major in Tennessee Transfer Pathway with Emphasis in Pre-Physical Therapy (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement

BIOL 1110, 1120

Mathematics Requirement

MATH 1530

Social/Behavioral Sciences

PSYC 1030
(Take one course)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 2130
SOC 210
SOCT 1010, 1020, 2010

Major Required Courses

MATH 1720 or higher MATH*
(Choose two of the following three sequences, but the BIOL and CHEM sequence is highly recommended)
BIOL 2010, 2020
CHEM 1110, 1120
PHYS 2010, 2020

*Math prerequisites will have to be met prior to taking this course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

Students requiring MATH 1000 and 1710 should take these courses prior to beginning the following pathway to ensure timely completion.

First Year – Fall Semester

___ BIOL 1110	General Biology I	4
___ MATH 1530	Elementary Statistics	3
___	History Requirement	3
___ ENGL 1010	Composition I	3
		13

First Year – Spring Semester

___ BIOL 1120	General Biology II	4
___ ENGL 1020	Composition II	3
___	History Requirement	3
___	Social/Behavioral Science	3
		13

Second Year – Fall Semester

___ BIOL 2010	Human Anatomy & Physiology I	4
___	Literature Requirement	3
___ CHEM 1110	General Chemistry I	4
___ PSYC 1030	General Psychology	3
___	Humanities/Fine Arts	3
		17

Second Year – Spring Semester

___ BIOL 2020	Human Anatomy & Physiology II	4
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ CHEM 1120	General Chemistry II	4
___ MATH 1720	College Trigonometry	3
___	Humanities/Fine Arts	3
		17

TOTAL CREDIT HOURS 60**

**Additional hours of coursework may be required prior to acceptance into a professional school. Please check with the institution you wish to transfer to for any prerequisites.

For more information contact:
Karen Kendall-Fite at
kendall-fite@columbiastate.edu or 931.540.2696
or
Science, Technology & Math Division Office
at 931.540.2710



Program and Career Description:

The Psychology emphasis is a two-year program for students planning to complete a bachelor's degree at a four year school. The qualities that make a good psychologist are also the qualities that make good business managers, health care workers, educators, or researchers. Psychology majors with advanced higher education degrees can teach at the college level. A few examples of career and salary estimates are listed below.

Career	Education	Median Salary
School Psychologist/Counselor	Master's Degree	\$55,900
Clinical Psychologist	Doctoral or Professional Degree	\$67,650
Post-Secondary Education in Psychology	Masters or Doctoral Degree	\$68,020

Career Salary information taken from www.bls.org. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

PSYCHOLOGY

Associate of Art / Associate of Science degree

PSYCHOLOGY

Major in Tennessee Transfer Pathway with Emphasis in Psychology (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement

BIOL 1110, 1120

Mathematics Requirement (Take one course)*

MATH 1130, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 2130 (can not be used more than once to satisfy program requirements)
SOC 210
SOC 1010, 1020, 2010

Major Required Courses

MATH 1530
PSYC 1030
Two of the following Psychology courses**
PSYC 2110 (offered Fall only)
PSYC 2120 (offered Spring only)
PSYC 2130
Electives***

*These Math courses may require a prerequisite MATH course.

**Students should consult the catalog and academic advisor of the institution to which they wish to transfer to determine which of these courses best meets baccalaureate requirements.

***Note: An elective can be any college-level course.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Social/Behavioral Science		3
___ PSYC 1030	General Psychology	3
___ History Requirement		3
___ Mathematics Requirement		3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ History Requirement		3
___ Humanities/Fine Arts		3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ MATH 1530	Elementary Statistics	3
___ BIOL 1110	General Biology I	4
___ Humanities/Fine Arts		3
___ PSYC Elective***		3
		16

Second Year – Spring Semester

___ BIOL 1120	General Biology II	4
___ PSYC Elective		3
___ Electives***		7
		14

TOTAL CREDIT HOURS 60

***Students pursuing the A.A. degree must complete 6 semester hours of the SAME foreign language.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:
Dr. Linda Brunton at
lbrunton@columbiastate.edu or 931.540.2759
or
Humanities & Social Sciences Division office at
931.540.2780



Program and Career Description:

The Social Work emphasis is a two-year program for students planning to complete a bachelor's degree at a four-year school. Social work is a profession that provides moral, practical, and compassionate leadership in helping people cope and resolve their personal dilemmas. BSW graduates are prepared for immediate entry into direct human service professional positions. A few of the salary and career estimate earnings are listed below.

Career	Entry Level Salary	Experienced Salary
Mental Health and Substance Abuse Social Workers	\$26,250	\$41,790
Child and Family Social Worker	\$27,030	\$39,870
Medical and Public Health Social Worker	\$28,440	\$51,770

Career and salary information taken from www.jobs4tn.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

SOCIAL WORK

Associate of Art / Associate of Science degree

SOCIAL WORK

Major in Tennessee Transfer Pathway with Emphasis in Social Work (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement
BIOL 1010, 1020 or BIOL 1110, 1120

Mathematics Requirement
MATH 1530

Social/Behavioral Sciences
PSYC 1030
SOCI 1010

Major Required Courses
ECON 2010 or 2020
POLS 1030
SOCI 1020 or SWRK Elective
SWRK 2010
Electives*

*Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ SOCI 1010	Introduction to Sociology	3
___ Humanities/Fine Arts		3
___ History Requirement		3
___ MATH 1530	Elementary Statistics	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ PSYC 1030	General Psychology	3
___ History Requirement		3
___ SWRK 2010	Introduction to Social Work	3
		15

Second Year – Fall Semester

___ SOCI 1020	Social Problems or SWRK Elective	3
___ Electives*		3
___ BIOL 1110	General Biology I	4
___ Humanities/Fine Arts		3
___ Elective*		3
		16

Second Year – Spring Semester

___ Literature Requirement		3
___ BIOL 1120	General Biology II	4
___ ECON 2010	Macroeconomics or	
___ ECON 2020	Microeconomics	3
___ POLS 1030	American Government	3
___ Elective*		1
		14

TOTAL CREDIT HOURS 60

*If pursuing the A.A. degree, 6 of the 7 elective hours must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring.

For more information contact Candace Warner at
sociologydepartment@columbiastate.edu or
931.540.2775

or
Humanities & Social Sciences Division office at
931.540.2780

or
www.columbiastate.edu/sociology



Program and Career Description:

The Sociology emphasis is a two-year program for students planning to complete a bachelor's degree at a four-year school. Many employers are attracted to graduates with a sociology background especially for entry level positions in numerous areas of employment. Sociology majors with advanced higher education degrees can teach at the college level. A few examples of career and salary estimates are listed below.

Career	Entry Level Salary	Experienced Salary
Social Scientist Researchers	\$37,920	\$70,830
Social & Community Service Managers	\$31,990	\$62,660
Equal Employment Compliance Officers/Human Resources	\$30,640	\$70,530
Marriage and Family Therapist	\$22,550	38,020

Career and salary information taken from www.jobs4tn.gov. Check out this website for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

SOCIOLOGY

Associate of Art / Associate of Science degree

SOCIOLOGY

Major in Tennessee Transfer Pathway with Emphasis in Sociology (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not take with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement

MATH 1530

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210, SOCI 2010 (Cannot be used more than once to satisfy program requirements)

Major Required Courses

SOCI 1010, 1020
*Sociology Elective (Choose one):
SOC 210, SOCI 2010
Electives**

*Universities will determine whether the sociology elective course counts toward requirements of the Sociology major or as elective credit applied to the requirements of the baccalaureate degree.

**Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ MATH 1530	Elementary Statistics	3
___ Humanities/Fine Arts		3
___ History Requirement		3
___ SOCI 1010	Introduction to Sociology	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Sciences		3
___ History Requirement		3
___ SOCI 1020	Social Problems	3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ Social Behavioral Sciences		3
___ Natural Science Requirement		4
___ Electives**		5
		15

Second Year – Spring Semester

___ Natural Science Requirement		4
___ Sociology Elective*		3
___ Humanities/Fine Arts		3
___ Electives**		5
		15

TOTAL CREDIT HOURS 60

**If pursuing the A.A. degree, 6 of the 10 elective hours must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation websites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact Candace Warner at
sociologydepartment@columbiastate.edu or
 931.540.2775
 or
 Humanities & Social Sciences Division office at
 931.540.2780
 or
www.columbiastate.edu/sociology



Program and Career Description:

The Speech Communication emphasis is a two-year program for students planning to complete a bachelor's degree in Communications, Speech, or Public Relations. Students pursuing careers in public relations, advertising, law, speech writing, liaison, customer service, or corporate communications should consider this degree. Below are a few examples of career and salary estimates.

Career	Beginning Salary with BS degree	Experienced Salary Median
Advertising Managers	\$36,840	\$85,660
Communications Teachers	\$21,240	\$52,820
Arbitrator/Mediator	\$33,590	\$73,370

Career Salary information taken from www.jobs4tn.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

SPEECH COMMUNICATION

Associate of Art / Associate of Science degree

SPEECH COMMUNICATION

Major in Tennessee Transfer Pathway with Emphasis in Speech Communication (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, ENGL 1020
SPCH 1010

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030,
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not take with another BIOL.)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730,
1830, 1910

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses

SPCH 1020, 1030, 2020
SPCH or COMM Elective
Electives*

*Note: An elective can be any college-level course.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Mathematics Requirement		3
___ Humanities/Fine Arts		3
___ History Requirement		3
___ SPCH or COMM Elective		3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication	3
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ History Requirement		3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ Social/Behavioral Science		3
___ Natural Science Requirement		4
___ SPCH 2020	Organizational Communication	3
___ Elective**		2
		15

Second Year – Spring Semester

___ Natural Science Requirement		4
___ Humanities/Fine Arts		3
___ SPCH 1020	Interpersonal Communication	3
___ Electives*		5
		15

TOTAL CREDIT HOURS 60

*Students pursuing the A.A. degree must complete 6 semester hours of the SAME foreign language.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:

Lacey Benns-Owens at

lbenns@columbiastate.edu or 931.540.2875

or

Humanities & Social Sciences Division office at
931.540.2780

Program and Career Description:

The Theatre Arts emphasis is a two-year program for students planning to complete a bachelor's degree at a four-year school. Students can pursue careers in writing screen plays, acting, television, choreography, and music. A few examples of career and salary estimates are listed below.



Career	Beginning Salary with BS degree	Experienced Salary Median
Actors	Amount varies based on number of jobs	\$29.05 an hour
Choreographers	Amount varies based on number of jobs	\$20.13 an hour
Musicians	Amount varies based on number of jobs	\$28.28 an hour

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University
- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

THEATRE ARTS

Major in Tennessee Transfer Pathway with Emphasis in Theatre Arts (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts

THEA 1030
(Take 2 courses -one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not take with another BIOL.)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses

THEA 1020, 1400
THEA Electives (excluding theatre history)
**Electives

***Note: An elective can be any college-level course.*

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Mathematics Requirement		3
___ Humanities/Fine Arts		3
___ History Requirement		3
___ THEA 1020	Acting	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	3
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ History Requirement		3
___ THEA 1030	Intro to Theatre and Performance	3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ Natural Science Requirement		4
___ Social/Behavioral Science		3
___ THEA 1400	Stagecraft	3
___ Elective**		3
		16

Second Year – Spring Semester

___ Natural Science Requirement		4
___ THEA Electives		7
___ Elective**		3
		14

TOTAL CREDIT HOURS 60

**If pursuing the A.A. degree, the 6 elective hours must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring. The B.S. Degree with a major in Theatre Arts is available at Austin Peay State University, Middle Tennessee State University, and Tennessee State University.

For more information contact:

Dr. Stuart Lenig at

slenig@columbiastate.edu or 931.540.2877

or

Humanities & Social Sciences Division office at
931.540.2780



Photo taken by Sarah B. Gilliam

Program and Career Description:

The Commercial Entertainment emphasis is a two-year program for students planning to complete a bachelor's degree in performance, song writing, dance or commercial music. Students pursuing careers in vocal performance, dance, song writing, commercial music production and audio recording should consider this degree. Below are a few examples of career and salary estimates.

Career	Beginning Salary	Experienced Salary Median
Singers/Dancers on Cruise Ships	\$25,800	\$34,750
Songwriters/Composers/ Music Directors	\$36,310	\$62,850
Dancers/Choreographers	\$34,750	\$44,540

Career Salary information taken from www.jobs4tn.gov and www.bls.gov. Check out these web sites for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

This emphasis is not currently a part of the Tennessee Transfer Pathway which is part of "The Complete College Act of 2010", and therefore; it may not be fully transferable to TBR institutions. TBR institutions are all state community colleges, Austin Peay State University, East Tennessee State University, Middle Tennessee State University, Tennessee State University, Tennessee Technological University, and the University of Memphis.

Since general education and major requirements vary from one transfer institution to another, it is essential that transfer students decide on a transfer institution as soon as possible and refer to the major requirements in that institution's catalog when planning a program of study. The requirements of the emphasis may be modified upon request to meet the requirements in that major at a specific transfer college or university.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

COMMERCIAL ENTERTAINMENT

Major in General Transfer with Emphasis in Commercial Entertainment (A.A., A.S.)

Admission Requirements

Program applicants are selected twice a year for fall and spring semesters. Students interested in applying to the Commercial Entertainment Program should follow the procedures listed below:

1. All applicants must meet the general requirements for admission to the College and apply for admission as stated in the College catalog.
2. Complete a *Request for Admission to Commercial Entertainment Program* form before the beginning of the semester in which the student plans to enroll in the program.
 - a. Forms are available in the Commercial Entertainment office at the Williamson County Center of Columbia State Community College. Prospective students may call (615) 790-4420 to request that the form be received through the mail.
 - b. Health Requirements
 1. Students must be physically able to participate in dance, drama, and singing.
 2. Prior to participating in stagecraft classes, it is recommended that students have a Tetanus booster if it has been more than five years since their last booster.
3. Commercial Entertainment students must exhibit proficiency in at least one of four areas: dance, drama, singing or music. Upon receipt of the *Request for Admission* form, the program director will contact the student to set an appointment for an audition. Audition appointments will not be scheduled until a completed *Request for Admission* form is received. Due to limited enrollment, early applicants will receive first audition appointment options.
 - a. Appointments for in-person auditions may be scheduled any time before the official registration day for the beginning of the semester. This audition may be recorded by the program director to be used to confer with faculty in the Commercial Entertainment program.
 - b. An applicant may elect to submit a prerecorded audition on CD/DVD. The deadline for submission of prerecorded auditions is August 1 for fall semester and December 1 for spring semester.
4. The audition should showcase the applicant's skill in at least one of the following areas: dance, drama, and/or singing. The following table shows the requirements of the audition for each skill area.

Requirements for Audition

Skill Area	Timeframe	Performance
Dance	1 - 1.5 minutes	Choreographed routine exhibiting proficiency in jazz, tap, or ballet. <ul style="list-style-type: none"> • Dance attire required for the dance audition • Musical accompaniment on CD required.
Drama	1 minute each	Two contrasting monologues. <ul style="list-style-type: none"> • Do not bring props to the audition.
Voice	1 - 2 minutes	Pop, country, jazz, or musical theatre selection. <ul style="list-style-type: none"> • Musical accompaniment on CD required.

5. The number of applicants admitted is determined by space available. Criteria for admissions are an acceptable level of proficiency in one or more of the three skill areas as determined by the program director. The program director will notify all students in writing concerning the disposition of their application within thirty days of their audition.

COMMERCIAL ENTERTAINMENT

Major in General Transfer with Emphasis in Commercial Entertainment (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not take with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)

MATH 1010, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses

CEN 207
MUS 1510, 1810, 1820, 1850, 2350
Electives (Choose 5 credit hours from the following):
CEN 135, 136, 200, 203
MUS 1520, 1800, 1860, 2360
THEA 1020, 1400

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

Please see the Commercial Entertainment Program Director for advising and scheduling.

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Mathematics Requirement		3
___ History Requirement		3
___ MUS 1810	Fundamentals of Music I	3
___ MUS 1850	Musical Keyboarding I	1
___ Guided Electives		2
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ History Requirement		3
___ MUS 1820	Fundamentals of Music II	3
___ Guided Electives		1
		16

Second Year – Fall Semester

___ Literature Requirement		3
___ Natural Science Requirement		4
___ Humanities/Fine Arts		3
___ MUS 2350	Digital Audio Recording	3
___ MUS 1510	Class Voice I	1
___ CEN 207	Entertainment Business	3
		17

Second Year – Spring Semester

___ Natural Science Requirement		4
___ Humanities/Fine Arts		3
___ Social/Behavioral Science		3
___ Guided Electives		2
		12

TOTAL CREDIT HOURS 60

*Students pursuing the A.A. degree must complete 6 semester hours of the SAME foreign language.

For more information contact:
Cathy Hudnall at
chudnall@columbiastate.edu or 615.790.4420 or
Williamson County Center at 615.790.4400



Program and Career Description:

The Early Childhood Education emphasis is a two-year program for students planning to receive a two-year A.S. degree or complete a bachelor's degree at a four-year school. A bachelor's degree could lead to teacher certification in pre-k through 3rd grade. An associate's degree could lead to work as a teacher's assistant, or work as a pre-school teacher in day care settings. A few examples of career and salary estimates are listed below. See the Early Childhood Certificate for students wanting classes towards the National CDA required for day-care providers.

Career	Beginning Salary	Experienced Salary Median
Teacher (elementary)	\$33,227	\$47,100
Teacher Assistants	\$15,340	\$22,200
Teacher (pre-school)	\$17,706	\$25,107

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Early Childhood Education is not approved at present with a Tennessee Transfer Pathway. It is not now covered by "The Complete College Tennessee Act of 2010". Therefore, it is important to consult with the four year college you plan to transfer to for that school's recommendation on courses to be taken at the community college level.

Columbia State does have an articulation agreement with Middle Tennessee State University.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

EARLY CHILDHOOD EDUCATION

Major in General Transfer with Emphasis in Early Childhood Education (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010

History Requirement

HIST 2010, 2020

Humanities/Fine Arts

ART 1030
MUS 1030
ENGL 2130 **or** ENGL 2330

Natural Sciences Requirement

ASTR 1030
BIOL 1030

Mathematics Requirement

MATH 1010

Social/Behavioral Sciences

GEOG 2010
POLS 1030

Major Required Courses*

ECED 1010, 2320
EDU 201, 222
MATH 1410

ECED Electives (5 credit hours)*

Recommended that students choose from ECED 2310,
ECED 2340, ECED 2390

*Earn a "C" or higher in each major required course and ECED electives.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

This plan will articulate to the MTSU Early Childhood Education Bachelor's degree. Students transferring to MTSU will be required to meet entrance qualifications which include an overall GPA of 2.75 or higher. Students will also be required to pass all parts of the Praxis Core Academic Skills Tests for Educators **or** have an ACT composite of 22 **or** an SAT composite of 1020.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ ECED 1010	Introduction to Early Childhood Education	2
___ BIOL 1030	Introduction to Biology	4
___ HIST 2010	Survey of U. S. History I	3
___ MATH 1010	Mathematics for the Liberal Arts	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ EDU 201	Introduction to Education	3
___ MATH 1410	Number Concepts for Elementary Education	3
___ HIST 2020	Survey of U. S. History II	3
___ ART 1030	Introduction to the Visual Arts	3
		15

Second Year – Fall Semester

___ SPCH 1010	Fundamentals of Speech Communication	3
___ ECED Electives		2-3
___ ASTR 1030	Astronomy	4
___ POLS 1030	American Government	3
___ ECED 2320	Infant, Toddler, Child Development	3
		15 -16

Second Year – Spring Semester

___ ENGL 2130 or ENGL 2330		3
___ ECED Electives		3
___ MUS 1030	Music Appreciation	3
___ GEOG 2010	World Regional Geography	3
___ EDU 222	Education of Exceptional Learners	3
		15

TOTAL CREDIT HOURS 60

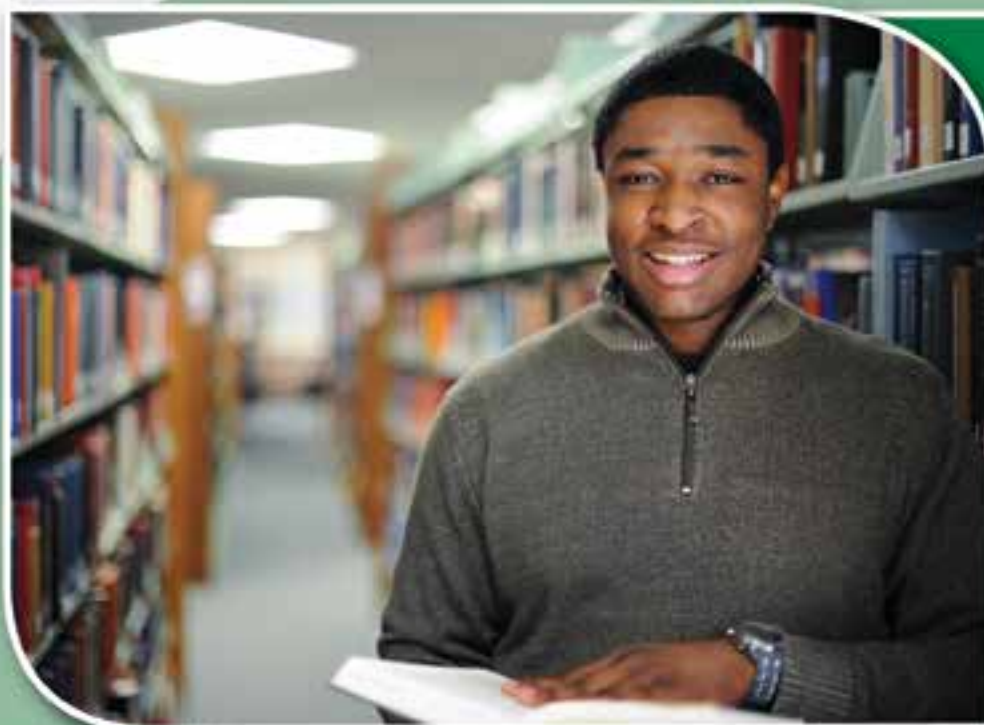
If pursuing the A.A. degree, complete an additional 6 credit hours in a one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities requires demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to complete the second-year sequence in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:

Victoria Gay at
vgay@columbiastate.edu or 931.540.2859

or

Humanities & Social Sciences Division office at
931.540.2780



Program and Career Description:

The General Transfer, no emphasis is a two-year program for students who have not decided on a major but are planning to complete a bachelor's degree at a four-year school. This program might also be used if the student's declared major is not available at Columbia State. Some entry-level occupations are available. Some companies prefer to train their employees from the entry-level toward advancement in the organization. A few selected careers are listed below.

Career	Median Experience - Average Wage
Farm Managers	Varies - up to \$64,600
First Line Supervisors - Restaurants	\$29,550
Store Retailers	\$28,680

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

This emphasis is not currently a part of the Tennessee Transfer Pathway which is part of the "The Complete College Act of 2010", and therefore; it may not be fully transferable to TBR institutions. TBR institutions are all state community colleges, Austin Peay State University, East Tennessee State University, Middle Tennessee State University, Tennessee State University, Tennessee Technological University, and the University of Memphis.

Since general education and major requirements vary from one transfer institution to another, it is essential that transfer students decide on a transfer institution as soon as possible and refer to the major requirements in that institution's catalog when planning a program of study. The requirements of the emphasis may be modified upon request to meet the requirements in that major at a specific transfer college or university.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.



GENERAL TRANSFER, NO EMPHASIS

Major in General Transfer, No Emphasis (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)
ASTR 1030
BIOL 1030 (must not take with another BIOL.)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)
MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 2 courses)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses
Electives*

*Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Mathematics Requirement		3
___ Humanities/Fine Arts		3
___ History Requirement		3
___ Elective*		3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ Elective*		6
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ History Requirement		3
___ Natural Science Requirement		4
___ Humanities/Fine Arts		3
___ Elective*		3
		16

Second Year – Spring Semester

___ Natural Science Requirement		4
___ Social/Behavioral Science		3
___ Electives*		7
		14

TOTAL CREDIT HOURS 60

*If pursuing the A.A. degree, 6 of the 19 elective hours must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:

Victoria Gay at
vgay@columbiastate.edu or 931.540.2859

or
Humanities & Social Sciences Division office at
931.540.2780



Program and Career Description:

The Graphic Design emphasis is a two-year program for students who are planning to complete a bachelor's degree at a four year school. Graphic Designers or graphic artists plan, analyze, and create visual solutions to communication problems. A few selected careers are listed below.

Career	Median Experience - Average wage
Graphic Designer	\$40,520
Computer System Design	\$47,860
Periodical/Book Publishers	\$32,100

Career and Salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

This emphasis is not currently a part of the Tennessee Transfer Pathway which is part of "The Complete College Act of 2010", and therefore, it may not be fully transferable to TBR institutions. TBR institutions are all state community colleges, Austin Peay State University, East Tennessee State University, Middle Tennessee State University, Tennessee State University, Tennessee Technological University, and the University of Memphis.

Since general education and major requirements vary from one transfer institution to another, it is essential that transfer students decide on a transfer institution as soon as possible and refer to the major requirements in that institution's catalog when planning a program of study. The requirements of the emphasis may be modified upon request to meet the requirements in that major at a specific transfer college or university.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

GRAPHIC DESIGN

Associate of Art / Associate of Science degree

GRAPHIC DESIGN

Major in General Transfer with Emphasis in Graphic Design (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts
ARTH 2010, 2020
Take 1 literature class from:
ENGL 2130, 2230, 2330, 2920

Natural Sciences Requirement (Take 2 courses)
ASTR 1030
BIOL 1030 (must not take with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)
MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730,
1830, 1910

Social/Behavioral Sciences (Take 2 courses)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCL 1010, 1020, 2010

Major Required Courses
ARTP 1010, 1110, 1120, 2630
Elective*

ART electives (Take 2 courses)
ARTP 1020, 2010, 2610, 2620, 2710

*Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Mathematics Requirement		3
___ History Requirement		3
___ ARTP 1110	Two Dimensional Design	3
___ ARTH 2010	Survey of Art History I	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science Requirement		3
___ ARTH 2020	Survey of Art History II	3
___ ARTP 1120	Three Dimensional Design	3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ History Requirement		3
___ Natural Science Requirement		4
___ ARTP 1010	Drawing I	3
___ ARTP 2630	Intro to Digital Graphic Arts	3
		16

Second Year – Spring Semester

___ Natural Science Requirement		4
___ Social/Behavioral Science		3
___ ART Electives		6
___ Elective*		1
		14

TOTAL CREDIT HOURS 60

*If pursuing the A.A. degree, complete an additional 6 credit hours in a one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:

Herbert Cobb at
hcobb@columbiastate.edu or 931.540.2872
or
Humanities & Social Sciences Division office at
931.540.2780

Program and Career Description:



The General Transfer, Humanities emphasis is a two-year program for students who plan to complete a bachelor's degree at a four-year school. Some entry level occupations are available. Some companies prefer to train their employees from the entry level toward advancement in the organization. A Humanities degree could lead to several humanities/social science-related occupations. A few selected careers are listed below:

Career	Median Experience - Average wage
College Instructor	Varies \$41,600 - \$83,960
Market Research Analysts	\$61,070
Archivists	\$45,020
Museum Assistant	\$30,000
Arts Writer/Critic	\$30,000
Meeting and Event Planner	\$40,000

Career Salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

This emphasis is not currently a part of the Tennessee Transfer Pathway which is part of "The Complete College Act of 2010", and therefore; it may not be fully transferable to TBR institutions. TBR institutions are all state community colleges, Austin Peay State University, East Tennessee State University, Middle Tennessee State University, Tennessee State University, Tennessee Technological University, and the University of Memphis.

Since general education and major requirements vary from one transfer institution to another, it is essential that transfer students decide on a transfer institution as soon as possible and refer to the major requirements in that institution's catalog when planning a program of study. The requirements of the emphasis may be modified upon request to meet the requirements in that major at a specific transfer college or university.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

HUMANITIES

Associate of Art / Associate of Science degree

HUMANITIES

Major in General Transfer with Emphasis in Humanities (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2130, 2230, 2330, 2920
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not take with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCL 1010, 1020, 2010

Major Required Courses

ENGL 2015
HUM 1130, 1131
Emphasis Electives (Take 2 courses)
ART, COMM, FREN, MUS, PHIL, SPAN, THEA*
Electives**

*Suggest ART 2630 for Digital Graphics career, COMM 1010, COMM 1020 or COMM 2450 for Mass Communications careers, and COMM 1400 for Media careers.

**Note: An elective can be any college-level course.

For more information contact:

Dr. Stuart Lenig at

slenig@columbiastate.edu or 931.540.2877

or

Humanities & Social Sciences Division office at
931.540.2780

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Social/Behavioral Science		3
___ History Requirement		3
___ Mathematics Requirement		3
___ HUM 1130	Arts and Culture I	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ ART/COMM/FREN/MUS/PHIL/SPAN/THEA elective*		3
___ HUM 1131	Arts and Culture II	3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ History Requirement		3
___ Natural Science Requirement		4
___ Humanities/Fine Arts		3
___ Humanities/Fine Arts		3
		16

Second Year – Spring Semester

___ Natural Science Requirement		4
___ ENGL 2015	Introduction to Film Studies	3
___ ART/COMM/FREN/MUS/PHIL/SPAN/THEA elective*		3
___ Electives**		4
		14

TOTAL CREDIT HOURS 60

*If pursuing the A.A. degree, 6 of the 10 electives must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

Program and Career Description:



The Public Relations emphasis is a two-year program for students planning to complete a bachelor's degree at a four-year school. Public relations specialists serve as advocates for businesses, universities, hospitals, and other organizations. They build and maintain positive relations with the public. A few selected careers are listed below.

Career	Median Experience - Average wage
Management of Businesses	\$55,530
Advertising and Public Relations	\$55,290
Local Government	\$51,340

Career Salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

This emphasis is not currently a part of the Tennessee Transfer Pathway which is part of "The Complete College Act of 2010", and therefore; it may not be fully transferable to TBR institutions. TBR institutions are all state community colleges, Austin Peay State University, East Tennessee State University, Middle Tennessee State University, Tennessee State University, Tennessee Technological University, and the University of Memphis.

Since general education and major requirements vary from one transfer institution to another, it is essential that transfer students decide on a transfer institution as soon as possible and refer to the major requirements in that institution's catalog when planning a program of study. The requirements of the emphasis may be modified upon request to meet the requirements in that major at a specific transfer college or university.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

PUBLIC RELATIONS

Major in General Transfer with Emphasis in Public Relations (A.A., A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)
HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

ASTR 1030
BIOL 1030 (must not take with another BIOL)
BIOL 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 2 courses)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCI 1010, 1020, 2010

Major Required Courses

COMM 1010, 1020, 2450
Electives**

**Note: An elective can be any college-level course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Social/Behavioral Science		3
___ History Requirement		3
___ Mathematics Requirement		3
___ COMM 1010	Introduction to Mass Communications	3
		15

First Year – Spring Semester

___ ENGL 1020	Composition II	3
___ SPCH 1010	Fundamentals of Speech Communication or	3
___ SPCH 1030	Argumentation and Debate	3
___ Social/Behavioral Science		3
___ Elective**		3
___ COMM 1020	Media Writing	3
		15

Second Year – Fall Semester

___ Literature Requirement		3
___ History Requirement		3
___ Natural Science Requirement		4
___ Humanities/Fine Arts		3
___ COMM 2450	Introduction to Public Relations	3
		16

Second Year – Spring Semester

___ Natural Science Requirement		4
___ Humanities/Fine Arts		3
___ Electives**		7
		14

TOTAL CREDIT HOURS 60

**If pursuing the A.A. degree, 6 of the 10 electives must be one-year sequence of the SAME foreign language. Requirements for a Bachelor of Arts Degree at universities include demonstrated competency in foreign language at the intermediate level. Community college students are encouraged to attain intermediate-level competency in foreign language before transferring. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:
Lacey Benns-Owens at
lbenns@columbiastate.edu or 931.540.2875
or
Humanities & Social Sciences Division office at
931.540.2780



Program and Career Description:

The Associate of Science in Teaching Degree is designed for those students planning to transfer to a four-year school in order to complete a elementary teacher certification (K-5). If you desire to teach high school, you should choose a major in which you desire to teach. For example, if you plan to teach high school history, you should pursue an associate degree with an emphasis in history prior to transferring to a four-year institution.

Career	Beginning Average Salary	Median Average Salary (15 Years Experience)
Elementary School Teacher	\$34,122	\$45,354

Career salary information taken from www.teateachers.org. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

Students who want to be certified to teach kindergarten through sixth grade should satisfy the A.S.T. degree requirements, as it is the gateway to making a smooth transition to enrollment in all Tennessee Board of Regents university schools of education. Therefore, students who plan to take upper-level Middle Tennessee State University courses in Columbia should follow this program.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at <http://www.columbiastate.edu/admissions/transfer-information>.

TEACHING (K-5) (A.S.T.)

Associate of Science in Teaching degree

TEACHING (K-5) (A.S.T.)

Major in Teaching (K-5) (A.S.T.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010, 1020
SPCH 1010

History Requirement (Take 2 courses)
HIST 2010, 2020, 2030

Literature Requirement (Take one course)
ENGL 2130, 2230, 2330, 2920

Humanities/Fine Arts (Take 2 courses)
Take either: ART 1030 **or** MUS 1030
and one from the following (do not duplicate courses):
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement
ASTR 1030
BIOL 1030
PSCI 1030

Mathematics Requirement (Take one course)
MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730,
1830, 1910

Social/Behavioral Sciences (Take 2 courses)
Must take: GEOG 2010
POLS 1030 **or** SOCI 1010

Major Required Courses

EDU 201, 221, 222
MATH 1410, 1420

Criminal background checks are required of all enrolled education students prior to participating in course required classroom field experiences at affiliate public and private schools. Based on the results of the criminal background check, an affiliate school may determine not to allow a student's presence at their school. This could result in the student's inability to successfully complete the requirements of a specific course and the AST program. More information is available from education lead faculty.

Each student enrolled in education courses must show proof of individual liability insurance prior to the onset of the required classroom field experience. More information is available from the education lead faculty.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___	EDU 201	Introduction to Education	3
___	ENGL 1010	Composition I	3
___	Mathematics Requirement		3
___	BIOL 1030	Introduction to Biology	4
___	GEOG 2010	World Regional Geography	3
			16

First Year – Spring Semester

___	EDU 221	Educational Psychology	3
___	ENGL 1020	Composition II	3
___	SPCH 1010	Fundamentals of Speech Communication	3
___	MATH 1410	Number Concepts for Elementary Education	3
___	POLS 1030	American Government or	
___	SOCI 1010	Intro to Sociology	3
			15

Second Year – Fall Semester

___	EDU 222	Education of Exceptional Learners	3
___	Literature Requirement		3
___	History Requirement		3
___	MATH 1420	Geometry for Elementary Education	3
___	ASTR 1030	Astronomy	4
	Take Praxis Core Tests*		16

Second Year – Spring Semester

___	ART 1030	Introduction to Visual Arts or	
___	MUS 1030	Music Appreciation	3
___	History Requirement		3
___	PSCI 1030	Physical Science	4
___	Humanities/Fine Arts		3
			13

TOTAL CREDIT HOURS 60

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- earning a 2.75 cumulative GPA.
- pass all parts of the Praxis Core Academic Skills Tests for Educators (Reading 156, Writing 162, and Math 150 **or** have an ACT composite of 22 **or** SAT composite of 1020).
- having four Disposition of Suitability forms completed on you.
- taking the Columbia State Exit Exam.
- * It is recommended that students complete ENGL 1010, MATH 1410 and 1420, and EDU 221 before taking Praxis Core Tests.

**For more information contact:
Dr. Karen Siska at
ksiska@columbiastate.edu or 615.790.5654
or
Humanities & Social Sciences Division office at
931.540.2780**



Program and Career Description:

The Associate of Applied Science in Advanced Integrated Industrial Technology is a two-year degree program designed to prepare graduates for many different careers related to manufacturing with an emphasis on technology, critical thinking, and problem solving. Students will take courses in the basic fundamentals of engineering technology and move to very advanced applications including robotics. This degree is accredited by The Association of Technology, Management, and Applied Engineering (ATMAE).

Career	Beginning Salary	Experienced Salary Median
Industrial Machinery	\$32,750	\$46,780
Maintenance Workers	\$25,460	\$40,110
Electrical/Electronic Engineering Technicians	\$43,450	\$62,360
Maintenance & Repair Workers	\$23,910	\$34,580

Career and salary information taken from www.jobs4tn.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

This degree program is not designed for transfer to a four year college or university. However, some agreements are in place that will allow credit to be accepted on certain Baccalaureate degree paths. This program has pathways for articulation of some credit from the Colleges of Applied Technology (TCAT) to transfer toward the Associate of Applied Science degree. Please check with the transfer institution or your advisor for specific details.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

ADVANCED INTEGRATED INDUSTRIAL TECHNOLOGY

Associate of Applied Science degree

ADVANCED INTEGRATED INDUSTRIAL TECHNOLOGY

Major in Advanced Integrated Industrial Technology (A.A.S.)

**Options: Mechatronics
Multi Skilled Technician**

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010

Humanities/Fine Arts (Take one course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Mathematics Requirement (Take one course)
MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Natural Science Requirement
PSCI 1030

Social/Behavioral Sciences (Take one course)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCL 1010, 1020, 2010

Major Required Courses
AIT 1001, 1002, 1003, 1101, 1102, 1201, 1202, 1203, 1301, 1302, 1401, 1402, 1403, 1501, 1502, 1503, 1600, 2101, 2102, 2201, 2202, 2205
INFS 1010

Option 1: Mechatronics
AIT 2001, 2103, 2215, 2300, 2310

Option 2: Multi Skilled Technician
AIT 1004, 2001, 2004, 2103
INT 134
Electives*

**Note: An elective can be any college-level course. IST 1500 and IST 1750 courses are strongly recommended. TCAT courses may be used for elective hours.*

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Schedule**First Year – Fall Semester**

___ Mathematics Requirement	3
___ AIT 1001 Basic Electricity	2
___ AIT 1002 Power Development	1
___ AIT 1003 Hydraulic/Pneumatic Fundamentals	1
___ AIT 1301 Principles of Instrumentation	2
___ AIT 1600 Workplace Safety	1
___ INFS 1010 Computer Applications	3
	13

First Year – Spring Semester

___ ENGL 1010 English Composition I	3
___ AIT 1101 Electrical Power Distribution	1
___ AIT 1102 Fluid Power Distribution	2
___ AIT 1201 Electrical Installation	1
___ AIT 1202 Piping, Pneumatic and Installation	1
___ AIT 1203 Mechanical Installation	1
___ AIT 1302 Integrated Process Control	2
___ AIT 1401 Basic Electrical Controls	2
___ AIT 1402 Basic Pneumatic Controls	1
___ AIT 1403 Basic Hydraulic Controls	1
	15

First Year – Summer Semester

___ Humanities/Fine Arts	3
___ AIT 2101 Predictive/Preventive Maintenance and Lubrication	1
___ AIT 2102 Power Transmission Systems	1
	5

Second Year – Fall Semester

___ Social/Behavioral Sciences	3
___ PSCI 1030 Physical Science	4
___ AIT 1501 Intermediate Electrical Controls	2
___ AIT 1502 Intermediate Pneumatic Controls	1
___ AIT 1503 Intermediate Hydraulic Controls	1
___ AIT 2205 Robot Operations	2
___ AIT 2300 (Option 1) Fundamentals of Mechatronic Systems	2
___ INT 134 (Option 2) Machinery Handbook	1
___ AIT 1004 (Option 2) Introduction to Welding	1
	15

Second Year – Spring Semester

___ AIT 2103 Advanced Mechanical	2
___ AIT 2001 Integrated Process Management	2
___ AIT 2201 Programmable Logic Controls	2
___ AIT 2202 Programmable Logic Controls Lab	2
___ AIT 2215 (Option 1) Advanced Robot Operations	2
___ AIT 2310 (Option 1) Advanced Mechatronics Systems	2
___ AIT 2004 (Option 2) CNC Programming	2
___ Electives* (Option 2)	2
	12

TOTAL CREDIT HOURS 60

For more information contact:
Mehran Mostajir at mmostajir@columbiastate.edu
or 931.540.2711 or 931.398.8868
or
Science, Technology and Math Division office
at 931.540.2710



Program and Career Description:

This degree is designed to prepare students to enter or advance in the business community. Students will develop a solid foundation in business management, which can be applied in a variety of settings, including retail, hospitality, operations, banking, sales, office management, or starting their own business. Students who plan to pursue a baccalaureate degree in business should follow the Business Administration A.S. or A.A. program.

Career	Starting Salary	Experienced Median Salary
Retail Store Manager	\$33,900	\$46,700
Loan Officer/Counselor	\$23,100	\$35,100
Office Manager	\$40,700	\$56,700
Human Resources Assistant	\$24,600	\$31,700
Administrative Assistant	\$25,900	\$32,500

Career and Salary information is taken from www.salary.com and represents a statewide average based on eight cities. Salaries are not guaranteed.

Transfer Options

Courses in the Business A.A.S. Degree program transfer to other community colleges as part of the Tennessee Board of Regents unified community college effort.

In addition, there are options available to transfer the degree to Trevecca Nazarene University, Lipscomb University and Middle Tennessee State University. Articulation agreements are available at www.columbiastate.edu/admissions/transfer-information.

Schedule Information

The Business A.A.S. Degree is offered in a traditional format during the day in Columbia and also in an online/hybrid format for those who prefer to complete most of their course work at home.

BUSINESS

Associate of Applied Science degree



BUSINESS

Major in Business (A.A.S.) Concentration: Management

Program Requirements:

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010

SPCH 1010

Humanities/Fine Arts (Take one course)

ART 1030

ARTH 2010, 2020

ENGL 2015, 2130, 2230, 2330, 2920

HUM 1130, 1131

MUS 1030

PHIL 1030, 2030, 2033

THEA 1030

Mathematics Requirement (Take one course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take one course)

ECON 2010 **or** ECON 2020

Major Required Courses

ACCT 1010, 1020

BUSN 1305, 1310, 1320, 1330, 1350, 1380, 2370, 2375, 2380, 2395

INFS 1010

Electives*

*An elective can be any college-level course. BUSN/IST courses are recommended.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:

Wendy York at

wyork2@columbiastate.edu or 931.540.2844

or

Science, Technology and Math Division office at
stm@columbiastate.edu or 931.540.2710

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Traditional Program: Sample Schedule

First Year – Fall Semester

___	BUSN 1305	Introduction to Business	3
___	INFS 1010	Computer Applications	3
___	BUSN 1380	Supervisory Management	3
___	BUSN 1310	Business Communication	3
___	ENGL 1010	Composition I	3
			15

First Year – Spring Semester

___	BUSN 1350	Sales and Service	3
___	BUSN 2370	Legal Environment of Business	3
___	BUSN 2380	Principles of Marketing	3
___	ACCT 1010	Principles of Accounting I	3
___		Mathematics Requirement	3
			15

Second Year – Fall Semester

___	BUSN 1320	Business Calculations	3
___	BUSN 1330	Entrepreneurship	3
___	SPCH 1010	Fundamentals of Speech Communication	3
___	ACCT 1020	Principles of Accounting II	3
___		Elective*	3
			15

Second Year – Spring Semester

___	BUSN 2375	Career Success	3
___	BUSN 2395	Business Applications	3
___		Humanities/Fine Arts Requirement	3
___	ECON 2010	Macroeconomics or	3
___	ECON 2020	Microeconomics	3
___		Elective*	3
			15

Total Credit Hours 60

Online/Hybrid Program Schedule:

The majority of the courses are offered online in a 7-week or a 15-week format. The hybrid courses are in a 5-week, 7-week, or 15-week format. It is suggested that they be taken in the order listed above.

Business Technical Certificate:

Students completing the first nine courses listed above may also obtain the Business Technical Certificate, with ENGL 1010 counting as the elective. Any college level course may be used for the elective.

Program and Career Description:



The Associate of Applied Science in Criminal Justice is a two-year degree program for students who do not plan to transfer to a four year institution of higher education. Students who successfully complete the A.A.S. degree usually seek employment in the field; some are currently in the field and seek a broader understanding of the discipline. Students pursuing careers in law enforcement, corrections, probation/parole officers, court officers, court officers, investigators, and counseling-oriented professions may want to consider crime and justice as their course of study. Below are a few examples of career and salary information.

Career	Median Salary with BS degree	Experienced Salary Median
Municipal Police Officer	\$41,910	\$73,710
Correction Officer	\$25,920	\$32,000
Court Officers	\$26,010	\$30,700
Investigators	\$39,670	\$91,390
Probation/Parole	\$37,590	\$65,330
Counseling - Positions	\$37,590	\$65,330

Career and salary information taken from www.bls.gov and www.jobs4tn.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

This degree program is in compliance with the Common Course Curriculum Library for the A.A.S. in Criminal Justice program as delivered by Tennessee Board of Regents community colleges.

This degree program is not designed for transfer to a four year college or university. However, some agreements are in place that will allow credit to be given for a portion or the entirety of this degree path. Please check with the transfer institution or your advisor for specific details.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

CRIMINAL JUSTICE

Associate of Applied Science degree

CRIMINAL JUSTICE

Major in Criminal Justice (A.A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010
SPCH 1010 or SPCH 1030

Humanities/Fine Arts (Take one course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Science/Mathematics Requirement (Take one course)

ASTR 1030
BIOL 1030 1110, 1120, 2010, 2020
CHEM 1110, 1120
GEOG 1010, 1020
MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910
PHYS 2010, 2020, 2110, 2120
PSCI 1030

Social/Behavioral Sciences (Take one course)

POLS 1030
SOC 1010

Major Required Courses

CRMJ 1010, 1020, 1340, 2010, 2020, 1325, 1330

Program Electives

Take 23-24 hours from the following:

ACCT 1010
BUSN 1305, 1310
CITC 2326 (Course not yet developed)
CRMJ 1322, 1355, 1360, 2301, 2311, 2312, 2340, 2381, 2391
INFS 1010
POL 201
POLS 1030
PSYC 1030, 2120, 2130
SOC 1010, 1020, 2010

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ Natural Science/Math Requirement		3-4
___ Humanities/Fine Art		3
___ CRMJ 1010	Intro to Criminal Justice	3
___ Program Elective		3
		15-16

First Year – Spring Semester

___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ CRMJ 1020	Intro to the Legal Process	3
___ CRMJ 2010	Intro to Law Enforcement	3
___ Program Elective		3
___ Program Elective		3
		15

Second Year – Fall Semester

___ CRMJ 2020	Intro to Corrections	3
___ CRMJ 1330	Criminal Evidence and Procedures	3
___ POLS 1030 or SOCI 1010		3
___ Program Elective		3
___ Program Elective		3
		15

Second Year – Spring Semester

___ CRMJ 1325	Issues and Ethics in Criminal Justice	3
___ CRMJ 1340	Criminal Investigation	3
___ Program Elective		3
___ Program Elective		3
___ Program Elective		3
		15

TOTAL CREDIT HOURS 60

**For more information contact:
Frank Miceli at
fmiceli@columbiastate.edu or
931.540.2758 or Text 606-627-2991
or
Science, Technology & Math Division
office at 931.540.2710**

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Program and Career Description:



This cross disciplinary degree program provides an opportunity for students to select a combination of courses from programs that will allow them to meet specific career-related objectives and gain a strong background in general education, including effective communication and problem-solving skills.

How long is the program?

Columbia State offers a two-year program in General Technology with a directed sequence in Business.

What does the program provide?

- Ability to create a more personalized degree program
- Pathway for students earning external credit for prior learning from work experiences, Colleges of Applied Technology diploma programs, or Department of Labor apprenticeship programs where student learning outcomes are equivalent to specific course credit taught at Columbia State.

How is the job market?

The benefits of this degree in the market place will be career advancement over non-degree employees. Because this degree is individualized to meet a student's academic and career goals, career examples are not provided. For the career of your interest, career salary information may be obtained from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for your career. Salaries are not guaranteed.

Transfer Options

This degree program is not designed for transfer to a four year college or university. However, some agreements are in place that will allow credit to be given for a portion or the entirety of this degree path. Please check with the transfer institution or your advisor for specific details.

Since general education and major requirements vary from one transfer institution to another, it is essential that transfer students decide on a transfer institution as soon as possible and refer to the major requirements in that institution's catalog when planning a program of study. The requirements of the emphasis may be modified upon request to meet the requirements in that major at a specific transfer college or university.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

GENERAL TECHNOLOGY

Business Directed Sequence

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010
SPCH 1010 or SPCH 1030

Humanities/Fine Arts (Take 1 course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Mathematics Requirement (Take 1 course)

MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take 1 course)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOC 1010, 1020, 2010

Major Required Courses

BUSN 1310 or ENGL 1020
BUSN 1380, 2375
GENT 291
INFS 1010

Electives**: 29 credit hours from the disciplines listed or TCAT diploma or DOL apprenticeship completion:
ACCT, AGRI, AIT, ASTR, BIOL, BIT, BUS, BUSN, CEN, CHEM, CIS, CISP, CJT, COP, CRMJ, CSCI, ECON, ENGR, ERG, FCT, GENT, INFS, INT, IST, MATH, MKT, OFA, PHYS, PSCI

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in MyChargerNet to determine how these courses apply to this program.

Sample Schedule

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ BUSN 1380	Supervisory Management	3
___ Mathematics	Requirement	3
___ Electives**		6
		15

First Year – Spring Semester

___ INFS 1010	Computer Applications	3
___ BUSN 1310	Business Communication or	
___ ENGL 1020	Composition II	3
___ Electives**		9
		15

Second Year – Fall Semester

___ Humanities/Fine Arts		3
___ BUSN Elective		3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ Electives**		6
		15

Second Year – Spring Semester

___ BUSN 2375	Career Success	3
___ GENT 291	General Technology Capstone	1
___ Social/Behavioral Science		3
___ Electives**		8
		15

TOTAL CREDIT HOURS 60

For more information contact:

Dr. Sandra Serkownek at
sserkownek@columbiastate.edu or 931.540.2673
 or
 Science, Technology & Math Division office at
 931.540.2710



Program and Career Description:

This A.A.S. degree provides an articulated pathway for students who are trained and/or credentialed in a Health Science area to earn a degree. The Health Sciences A.A.S. education/career option combines general education course work with credits awarded to completers of diplomas and/or equivalent health career training certificates/licenses. The degree may be an option for students with Health Science training from technical certificates, Tennessee Colleges of Applied Technology (TCAT) diplomas, military training, or hospital-based licensure programs. Students with licensure/certification may receive credit toward this degree for prior learning.

How long is the program?

The degree can be completed in two full time semesters by students who transfer in a diploma/certificate/credential which equates to 30 hours of credit. Students who are balancing work and school may elect to distribute the course requirements over a longer period of time.

What does the program provide?

The degree may be an option for students with Health Science training from technical certificates offered by Columbia State and/or select Tennessee Colleges of Applied Technology (TCAT) diplomas, military training, hospital-based licensure, or credit for prior learning. Students with licensure/certification may receive credit toward this degree for prior learning (PLA policy regarding alignment with specific course objectives applies.)

This degree primarily serves students who have already earned a credential in a Health Science field and are looking for career advancement. The degree is particularly well-suited for EMS professionals with prior certificates/licensure.

How is the job market?

Graduates of the A.A.S. degree in Health Sciences will be employed in various Health Science fields. Specific job-related supply and demand information is dependent upon the career path selected. Job related career and salary information for the chosen career field may be accessed via www.bls.gov. Health Science fields are projected to be among the top ten growing occupations areas for the foreseeable future based on both state and national employment projections.

Transfer Options

This degree program is not designed for transfer to a four year college or university. However, some four year institutions may award transfer credit for some or all of this degree. Transfer credit is awarded at the discretion of the receiving institution. Students are advised to inquire directly with advisors at the university level regarding expectations for transfer.

In addition to seamless transfer between public higher education institutions in Tennessee, Columbia State has forged relationships with private and out-of-state universities and colleges which allow a Bachelor's degree to be started at Columbia State and finished at a participating institution. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

HEALTH SCIENCES

Associate of Applied Science degree

HEALTH SCIENCES

Major in Health Sciences (A.A.S.)

Program Requirements

Students and advisors will develop customized degree completion plans. General education courses will be selected from the common core list approved by TBR. All students will take ENGL 1010. Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010

Humanities/Fine Arts (Take 1 course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Mathematics/Natural Science Requirement
(Take 1 course)

MATH 1010, 1530, 1630, 1710, 1720, 1730, 1830, 1910
(Take both courses)
BIOL 2010, 2020

Social/Behavioral Sciences (Take 1 course)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCI 1010, 1020, 2010

Health Sciences Elective* (Take 1 course)

HSC 291, HSC 292, HSC 293

Major Field Core** (30 credit hours)

Computer Requirement (Take 1 course)

INFS 1010
IST 1500, 1750, 2090, 2400, 2630, 2730, 2750, 2800, 2810, 2850,
2930, 2950

Electives*** (4 - 6 credit hours)

*A minimum of one Health Sciences-related course is required as a guided elective. Students may choose between HSC 291 (1 credit hour), HSC 292 (2 credit hours), or HSC 293 (3 credit hours) depending upon which courses are offered in a particular semester and how many credits the student needs to complete degree requirements.

***Electives will be determined in consultation with a faculty advisor and based on the student's academic record, employment experience, and career goals. For example, electives may be in the natural sciences or business depending upon the student's career aspirations.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Course Sequence

First Semester

___ ENGL 1010 Composition I	3
___ Mathematics Requirement	3
___ Humanities/Fine Arts Requirement	3
___ BIOL 2010 Human Anatomy & Physiology I	4
___ Elective***	3
	16

Second Semester

___ HSC Elective (291, 292, 293)*	1-3
___ Computer Requirement	3
___ Social/Behavioral Science Requirement	3
___ BIOL 2020 Human Anatomy & Physiology II	4
___ Elective***	1-3
	14

Transfer Credit for Recognized Health Science Diploma/ Credential

___ Major Field Core**	30
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TOTAL CREDIT HOURS 60

**Major field core credits awarded for earned health sciences diploma/credential. Students who have earned a certificate/credential and possess appropriate licensure and/or work experience may be awarded up to 30 hours of credit toward the Health Sciences A.A.S. degree. The total number of credit hours accepted to meet this requirement will depend on the program of study completed and the institution attended.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:

Health Sciences Division office at:
931.540.2599 or 931.540.2600



Program and Career Description:

The Information Systems Technology program is a two-year program to prepare students for employment or advancement in the information technology community. Skills obtained in this program could be applied in a variety of settings, including helpdesk support, network/computer technician, office manager, or executive assistant. It is specifically designed for the student who plans to enter the workforce after graduation. Students who plan to pursue a baccalaureate degree Information Systems or Office Administration should follow the Information Systems A.S. or Business Administration or Accounting, A.S. programs.

Career	Salary Median
User Support Specialist	\$44,726
Network Support	\$55,650
Administrative Assistant	\$29,250
Medical Secretary	\$28,740

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

This degree program is not designed for transfer to a four year college or university. However, some agreements are in place that will allow credit to be given for a portion or the entirety of this degree path. Please check with the transfer institution or your advisor for specific details.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.



INFORMATION SYSTEMS TECHNOLOGY

Major in Information Systems Technology (A.A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010
SPCH 1010 **or** SPCH 1030

Humanities/Fine Arts (Take one course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Mathematics Requirement (Take one course)

MATH 1010, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Sciences (Take one course)

ECON 2010 **or** 2020

Major Required Courses

ACCT 1010
BUSN 1310, 2375
INFS 1010
IST 2090, 2400, 2630, 2990**

Major Required Courses in Computer Networking/Cyber Security Option:

CISP 1010**
IST 1500, 1750, 2750**
Computer Networking Option: IST 2850 and IST 2950**
Cyber Security Option: CJT 1015 and CJT 2050
Electives*

Major Required Courses in Information Systems Specialist Option:

CISP 1010, 1020**
IST 1500, 1750, 2800, 2930**
Elective*

Major Required Courses in Medical Office Systems Option:

BUSN 1320
HED 221 **or** 231
OFA 101, 205, 240, 242, 281

Major Required Courses in Mobile Technologies Option:

CISP 1010**
IST 1500, 1750**
CITC 1371 **or** 1372 **or** 1373
CITC 2371, 2372
Electives*

Major Required Courses in Office Information Systems Option:

BUSN 1320, 1350, 1380
OFA 101, 205, 210
Elective*

*Note: An elective can be any college-level course. Students are strongly recommended to take IST 2730 for the System Specialist Option and IST 2810 for the Computer Networking/Cyber Security Option.

** CISP and IST courses have very limited offerings and should be considered first in registration.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargeNet to determine how these courses apply to this program.

Computer Networking/Cyber Security Option

Sample Schedule

First Year – Fall Semester

___	INFS 1010	Computer Applications	3
___	Mathematics Requirement		3
___	ENGL 1010	Composition I	3
___	IST 1500	Computer System Essentials**	3
___	Humanities/Fine Arts		3
			15

First Year – Spring Semester

___	IST 2090	Database Applications**	3
___	IST 1750	Computer Networking I**	3
___	CISP 1010	Computer Science I**	4
___	BUSN 1310	Business Communication	3
___	SPCH 1010	Fundamentals of Speech Communication or	
___	SPCH 1030	Argumentation and Debate	3
			16

Second Year – Fall Semester

___	IST 2400	Spreadsheet Applications**	3
___	IST 2750	Computer Networking II**	3
___	ACCT 1010	Accounting I	3
___	IST 2630	Web Page Development and Design**	3
___	Elective*		2
			14

Second Year – Spring Semester

___	BUSN 2375	Career Success	3
___	ECON 2010	Macroeconomics or	
___	ECON 2020	Microeconomics	3
___	IST 2990	Project Integration Capstone**	3

(Options for Last 6 hours)

Computer Networking Option:

___	IST 2850	Computer Networking III**	3
___	IST 2950	Computer Networking IV**	3
			OR
			15

Cyber Security Option:

___	CJT 1015	Criminal Procedure	3
___	CJT 2050	Introduction to Cyber Security	3
			15

TOTAL CREDIT HOURS 60

Requirements for Graduation include:

- earning 25% of total program credit hours in residence at Columbia State.
- GPA at least 2.0 in program courses.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

INFORMATION SYSTEMS TECHNOLOGY

Major in Information Systems Technology (A.A.S.)

Information Systems Specialist Option**Sample Schedule****First Year – Fall Semester**

___ INFS 1010	Computer Applications	3
___ Mathematics Requirement		3
___ ENGL 1010	Composition I	3
___ IST 1500	Computer System Essentials**	3
___ Humanities/Fine Arts		3
		15

First Year – Spring Semester

___ IST 2090	Database Applications**	3
___ IST 1750	Computer Networking I**	3
___ CISP 1010	Computer Science I**	4
___ BUSN 1310	Business Communication	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
		16

Second Year – Fall Semester

___ IST 2400	Spreadsheet Applications**	3
___ ACCT 1010	Principles of Accounting I	3
___ CISP 1020	Computer Science II**	4
___ IST 2800	Database Development**	3
___ IST 2630	Web Page Development and Design**	3
		16

Second Year – Spring Semester

___ IST 2930	Computer Science III**	3
___ BUSN 2375	Career Success	3
___ ECON 2010	Macroeconomics or	
___ ECON 2020	Microeconomics	3
___ IST 2990	Project Integration Capstone**	3
___ Elective*		1
		13

TOTAL CREDIT HOURS 60**Medical Office Technology Option****Sample Schedule****First Year – Fall Semester**

___ ENGL 1010	Composition I	3
___ INFS 1010	Computer Applications	3
___ Mathematics Requirement		3
___ OFA 101	Introduction to Word Processing	3
___ OFA 240	Medical Terminology	3
		15

First Year – Spring Semester

___ ACCT 1010	Principles of Accounting I	3
___ OFA 242	Medical Transcription	3
___ BUSN 1320	Business Calculations	3
___ IST 2090	Database Applications**	3
___ OFA 205	Business Documents & Publishing	3
		15

Second Year – Fall Semester

___ IST 2630	Web Page Development and Design**	3
___ BUSN 1310	Business Communication	3
___ BUSN 2375	Career Success	3
___ ECON 2010	Macroeconomics or	
___ ECON 2020	Microeconomics	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
		15

Second Year – Spring Semester

___ HED 221 or HED 231		3
___ OFA 281	Medical Office Assistant	3
___ IST 2990	Project Integration Capstone**	3
___ IST 2400	Spreadsheet Applications**	3
___ Humanities/Fine Arts		3
		15

TOTAL CREDIT HOURS 60

Requirements for Graduation include:

- earning 25% of total program credit hours in residence at Columbia State.
- GPA at least 2.0 in program courses.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

For more information contact:

Daniel Devers at
ddevers@columbiastate.edu or 931.540.2680
or

Science, Technology and Math Division office at
931.540.2710

INFORMATION SYSTEMS TECHNOLOGY

Major in Information Systems Technology (A.A.S.)

Mobile Technologies Option**Sample Schedule****First Year – Fall Semester**

___ ENGL 1010	Composition I	3
___ Mathematics	Requirement	3
___ Humanities/Fine Arts		3
___ INFS 1010	Computer Applications	3
___ IST 1500	Computer Systems Essentials	3
		15

First Year – Spring Semester

___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ IST 2090	Database Applications	3
___ IST 1750	Computer Networking I	3
___ CISP 1010	Computer Science I	4
___ BUSN 1310	Business Communication	3
		16

Second Year – Fall Semester

___ ACCT 1010	Principles of Accounting I	3
___ IST 2400	Spreadsheet Applications	3
___ IST 2630	Web Page Development and Design	3
___ CITC 2371	Mobile Networks and Communication	3
___ CITC 1371	Windows Mobile App Development or	
___ CITC 1372	Android App Development or	
___ CITC 1373	iOS App Development	3
		15

Second Year – Spring Semester

___ BUSN 2375	Career Success	3
___ ECON 2010	Macroeconomics or	
___ ECON 2020	Microeconomics	3
___ CITC 2372	Mobile Security	3
___ IST 2990	Project Integration Capstone	3
___ Electives*		2
		14

TOTAL CREDIT HOURS 60**Office Information Technology Option****Sample Schedule****First Year – Fall Semester**

___ BUSN 1380	Supervisory Management	3
___ ENGL 1010	Composition I	3
___ INFS 1010	Computer Applications	3
___ Mathematics	requirement	3
___ OFA 101	Introduction to Word Processing	3
		15

First Year – Spring Semester

___ ACCT 1010	Principles of Accounting I	3
___ BUSN 1320	Business Calculations	3
___ Elective*		3
___ IST 2090	Database Applications**	3
___ OFA 205	Business Documents and Publishing	3
		15

Second Year – Fall Semester

___ IST 2630	Web Page Development and Design**	3
___ BUSN 1310	Business Communication	3
___ BUSN 2375	Career Success	3
___ ECON 2010	Macroeconomics or	
___ ECON 2020	Microeconomics	3
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
		15

Second Year – Spring Semester

___ OFA 210	Event Management	3
___ IST 2990	Project Integration Capstone**	3
___ BUSN 1350	Sales and Service	3
___ IST 2400	Spreadsheet Applications**	3
___ Humanities/Fine Arts		3
		15

TOTAL CREDIT HOURS 60

Requirements for Graduation include:

- earning 25% of total program credit hours in residence at Columbia State.
- GPA at least 2.0 in program courses.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

For more information contact:
Daniel Devers at
ddevers@columbiastate.edu or 931.540.2680
or
Science, Technology and Math Division office at
931.540.2710

Program and Career Description:



The Associate of Applied Sciences in Medical Informatics prepares graduates for career entry in computer technician positions in healthcare settings. Students' develop technical and non-technical communication skills, tools/application use, legal aspects of medical office technologies, and the nuances of electronic medical record keeping, reimbursement, and billing practices. The Developer concentration emphasizes health information management in the information technology environment. The Technician concentration integrates healthcare and information technology.

MEDICAL INFORMATICS

Associate of Applied Science degree

How long is the program?

Medical Informatics (MEDI) program completion requires 4-5 semesters of full time study. Students with applicable prior college credit may be able to complete in less than two years. Students may work with an Advisor to develop a personalized academic plan for part-time study over an extended period. This program is an open enrollment opportunity and may be started during any semester. The prerequisite nature of courses may result in some courses being offered only during specific semesters.

What does the program provide?

The Medical Informatics A.A.S. degree provides the training needed to move rapidly into the healthcare workplace. Possible job titles for completers might include implementation support specialist, implementation manager, technical and software support staff member and trainer. Generally, positions fall into three job fields: Information Technology professional, health information management professional and clinical informatician.

How is the job market?

Graduates of the A.A.S. degree in Medical Informatics will be eligible for employment in various medical settings. Specific job-related supply and demand information is dependent upon the career path selected. Job related career and salary information for the chosen career field may be accessed via www.bls.gov. Health Science fields are projected to be among the top ten growing occupational areas for the foreseeable future based on both state and national employment projections.

Transfer Options

The Medical Informatics associate of applied science degree is designed for career-entry. However, some universities may accept some or all of the course work for transfer. Transfer credit is awarded at the discretion of the receiving institution. Students are advised to inquire directly with advisors at the university level regarding expectations for transfer.

www.columbiastate.edu/medinfo

MEDICAL INFORMATICS

Major in Medical Informatics (A.A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
ENGL 1010

Humanities/Fine Arts (Take 1 course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Science Requirement (Take both courses)
BIOL 2010 **and** BIOL 2020

Social/Behavioral Sciences (Take 1 course)
PSYC 1030 **or** PSYC 2130

Major Required Courses
CIS 193
HIT 115, 125, 250
INFS 1010
IST 2090, 2630, 2800, 2990
OFA 240, 281

Option 1: Medical Informatics Developer
INFS 113, 173
IST 2730

Option 2: Medical Informatics Technician
IST 1500, 1750, 2750

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Course Sequence

First Year - Fall Semester

___ BIOL 2010	Human Anatomy & Physiology I	4
___ ENGL 1010	English Composition I	3
___ INFS 1010	Computer Applications	3
___ OFA 240	Medical Terminology	3
___ Humanities/Fine Arts Requirement		3
		16

First Year - Spring Semester

___ BIOL 2020	Human Anatomy & Physiology II	4
___ HIT 115	Introduction to Health Information Tech	4
___ IST 2090	Database Applications	3
___ INFS 113	(Option 1) Programming in Visual Basic or	
___ IST 1500	(Option 2) Computer System Essentials	3
___ Social/Behavioral Sciences Requirement		3
		17

Second Year - Fall Semester

___ IST 2630	Web Page Development and Design	3
___ CIS 193	Introduction to Linux	3
___ IST 2800	Database Development	3
___ INFS 173	(Option 1) Programming in C# or	
___ IST 1750	(Option 2) Computer Networking I	3
___ HIT 250	Legal Aspects of Health Information	3
		15

Second Year - Spring Semester

___ OFA 281	Medical Office Assistant	3
___ IST 2990	Project Integration Capstone	3
___ IST 2730	(Option 1) Advanced Web Page Dev. or	
___ IST 2750	(Option 2) Computer Networking II	3
___ HIT 125	Computer Applications in HIT	3
		12

TOTAL CREDIT HOURS 60

For more information contact:

www.columbiastate.edu/medinfo
Health Sciences Division Office, Walter 112 or
healthsciences@columbiastate.edu or
931.540.2599 or 931.540.2600



Program and Career Description:

Registered Nurses assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. RNs administer nursing care to ill, injured, convalescent, or disabled patients and advise patients on health maintenance and disease prevention or management. Registered nursing is a profession that requires licensing by a state board of nursing. The RN is required to observe professional standards of practice and adhere to a code of ethics.

How long is the program?

Columbia State offers a traditional 4 semester pathway and a 3 semester track for qualifying LPNs.

What does the program provide?

- Affordable pathway to a career in nursing.
- Classroom instruction in vital areas prior to clinical rotations.
- Hands-on experiences at clinical sites within approximately 60 miles of Columbia State.
- Opportunities for introductory rotations in specialty areas (Obstetrics, Labor & Delivery, Newborn Nursery, Mental Health, Pediatrics).
- Skills competencies in campus labs including Human Patient Simulators.
- Numerous scholarship opportunities offered.

How is the job market?

Nursing is poised to change the face of health care as never before. Demand for quality Registered Nurses continues to escalate. Employment of RNs is projected to grow 19% from 2012 to 2022, faster than the average for all occupations according to the Bureau of Labor Statistics (www.bls.gov). Median income was \$65,470 in May 2012. The middle 50% earned between \$60,000 - \$74,000.

Career	Beginning Salary	Experienced Salary Median
Registered Nurse (TN)	\$43,670	\$55,110
Registered Nurse (US)	\$45,040	\$65,470

Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

How do I apply to the Nursing Program?

All nursing program candidates must first complete all Columbia State admission requirements.

Students seeking admission to the traditional program must additionally:

- Complete and submit an application to the Nursing program (February & August annually)
- Attach copy of ACT/SAT composite score
- At minimum, grade of C or better in BIOL 2010 (Anatomy & Physiology I) within past 5 years
- Minimum GPA 2.5 (on 4.0 scale). Attach unofficial copies of transcripts of all previously attempted college credit to the nursing application.

LPN entering as Option A or B via the Career Mobility Track:

- Successfully pass the challenge examination for nursing (Foundations of Nursing for Option A; Foundations of Nursing and Childbearing for Option B)
- Document minimum 6 months work experience as an LPN in a health care setting
- Minimum GPA 2.5 (on 4.0 scale) including pre-requisite general education courses.

www.columbiastate.edu/nursing

Opportunities

Columbia State's nursing program prepares graduates for the National Council Licensure Examination-RN (NCLEX) administered by state boards of nursing. Graduates may pursue additional formal education (certifications, BSN or MSN degrees) at other institutions through traditional or online formats. Future employers may also offer on the job training in various specialty areas.

NURSING

Major in Nursing (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

Nursing is the application of knowledge and skills designed to assist people, sick or well, to cope with their health needs. The associate degree nurse is a generalist who gives direct nursing care to people with common health problems in a variety of health care settings. The associate degree nurse works within the framework of the health care system and is expected to adhere to professional codes of conduct and ethics.

The practice of the associate degree nurse encompasses the interrelated roles of provider of care, coordinator/manager of care and member within the discipline of nursing. The associate degree graduate of this program will demonstrate basic competencies necessary to assume the role of a beginning practitioner of nursing, as outlined by the National League for Nursing. The graduate will be eligible to write the National Council Licensure Examination-RN (NCLEX) for licensure as a Registered Nurse. This educational program can serve as a base for future formal study.

The faculty of the department of nursing are committed to achieving the following goals:

1. To prepare an associate degree graduate to practice within the three roles of the associate degree nurse as identified by the National League for Nursing.
2. To provide a curriculum which qualifies the student to receive the Associate of Applied Science degree and be eligible to write the NCLEX for registered nurses.

The nursing curriculum is a combination of general and nursing education courses designed to provide students with scientific knowledge and technical and interpersonal skills needed to function effectively as a professional nurse. In order to facilitate the achievement of the program goals, the following program outcomes have been identified. The Associate of Applied Science degree in Nursing is designed to provide a graduate who will:

1. Communicate with others using appropriate verbal and non-verbal methods.
2. Plan and revise nursing care using the nursing process.
3. Implement/facilitate nursing care with safety and skill.
4. Demonstrate acceptance of professional responsibility.
5. Function as a contributing member of the health care team.

All nursing clinical experiences/laboratories are under the supervision of the nursing faculty who select, guide, and evaluate the learning experiences of the students. Clinical facilities at health care agencies throughout the service and surrounding areas are utilized. Students are responsible for providing their own transportation to and from clinical agencies.

Accreditation

The Nursing Program has full approval from the Tennessee Board of Nursing. The program is accredited by the Accreditation Commission for Education in Nursing.

Accreditation Commission for Education in Nursing (ACEN)
3343 Peachtree Road NE, Suite 850
Atlanta, Georgia 30326
(404) 975-5000
Fax: (404) 975-5020
www.acenursing.org

Once applications are screened, students will be notified of admission status. If an application is determined not to meet minimum admission criteria, the student will receive a "not eligible for admission" letter. Nursing applicants are admitted twice a year (during Fall and Spring terms) into the Nursing Program.

To remain eligible for admission, applicants must maintain a grade point average of 2.5 or better.

Criminal background checks (may include finger printing) and routine drug screens are required by most clinical affiliate sites as a condition of participation in clinical education. Based on the results of the criminal background check, a clinical affiliate may determine to not allow a student's presence at their facility. This could result in the student's inability to successfully complete the requirements of a specific course and the program. More information is available from the program director.

Applicants who have been convicted of a crime other than a minor traffic violation may be ineligible for licensure. For more information, contact the Nursing Program director. Any felony convictions must be reported to the Nursing Program director.

Admissions Requirements

These requirements apply to all nursing applicants, including licensed practical nurses applying for the Career Mobility Ladder, Options A and B.

1. Meet all College general requirements for admission as a degree-seeking student as stated in the catalog.
2. Exemption from or satisfaction of Learning Support competencies in reading, writing, and math as determined by college placement standards prior to submitting an admission application to the Nursing Program.
3. Prior to submission of Nursing program applications:
 1. Traditional: Complete Anatomy and Physiology I (BIOL 2010)
 2. LPN A or B: Complete Anatomy and Physiology I & II (BIOL 2010 and BIOL 2020) & General Psychology (PSYC 1030)
4. ACT or SAT exam results are required of all applicants, regardless of educational experience or age. Applicants should have a minimum ACT composite score of 19 or a minimum SAT score of 900. Lower composite scores will be considered for admission if all required Learning Support courses are completed.

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5. Earned a cumulative college-level grade point average of 2.5 or above on a 4.0 scale for all prior college level course work.
 6. If a Nursing Program applicant has been enrolled in any other Nursing Program within three years of the date of application, the nursing courses will be evaluated for possible transfer credit on an individual basis.
 - a. A grade of "C" or better is required for all transferred nursing courses.
 - b. Transfer students are accepted on a space available basis.
 7. In cases of transfer or re-admission, if three or more years have elapsed since enrollment in a Nursing Program, the nursing courses must be repeated.
 8. If five or more years have elapsed the following requirements apply.
 - a. Anatomy and Physiology courses must be repeated.
 - b. All current application/enrollment requirements apply.
 9. In compliance with the Americans with Disabilities Act, all applicants and admitted students must be, with reasonable accommodation, physically and mentally capable of performing the essential functions of the program outlined below in the Core Performance Standards of Admission and Progression developed by the Southern Council on Collegiate Education for Nursing and adopted by all Nursing Programs in the Tennessee Board of Regents system (TBR Policy 2.03.00.00 II B 6).
 - a. Communication abilities sufficient for interaction with others in verbal, nonverbal and written form.
 - b. Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.
 - c. Critical thinking ability sufficient for appropriate clinical judgment and utilization of the nursing process.
 - d. Physical abilities sufficient to move from room to room and maneuver in small spaces.
 - e. Strength to perform patient care and assist with patient mobility.
 - f. Gross and fine motor abilities sufficient to provide safe and effective nursing care.
 - g. Auditory ability sufficient to monitor and assess health needs.
 - h. Visual ability sufficient for observation and assessment necessary to provide safe and effective nursing care.
 - i. Tactile ability sufficient for physical assessment and intervention.
 - j. Ability to be responsive within appropriate time periods.
- start of the program. Some clinical facilities require a two-step TB Skin Test.
- b. Evidence of the following:
 1. Immunity of the following through positive titer.
 - a. Rubella.
 - b. Hepatitis B
 - c. Varicella Zoster (chicken pox).
 - d. Rubeola
 - e. Mumps
 2. Tetanus/diphtheria booster within the past ten years.
 3. Seasonally current Influenza vaccination.
 3. Other vaccinations which may be required for specific clinical affiliates.
 2. Basic Cardiac Life Support (BCLS) Requirements: All students must submit evidence of a current BCLS certification (must include two-person CPR) for the health care professional. BCLS certification classes are offered by Columbia State Community College or the American Heart Association.
 3. Malpractice Insurance: Malpractice insurance is required for all clinical nursing courses. A group policy is available. The fee is assessed annually as a part of registration.
 4. Health Insurance: Students are responsible for all costs incurred related to health problems, including injuries occurring during clinical experiences. Students must provide evidence of health insurance coverage to be eligible to participate in clinical activities.
 5. Criminal Background Check (may include finger printing) and Routine Drug Screen results submitted per instructions provided. Clinical agencies may deny a student access to the facility based on the results of the background check or the drug screen. This could result in a student being unable to successfully complete the requirements of a course or the program.

Admissions Procedure

1. Submit the following to the Admissions office:
 - a. Completed *Application for Admission* to the College
 - b. official college transcripts
 - c. high school transcripts or High School Equivalency Diploma - HSE (GED[®] or HiSET[®]).
 - d. ACT or SAT exam results
2. Submit a completed *Nursing Program Application* to the Health Sciences/Nursing office (William R. Walter Bldg., 112). Forms are available in the Health Sciences/Nursing office or on the Nursing Program Web page (www.columbiastate.edu/nursing). Applications are accepted in February for Fall admission and August for Spring admission. Applications must be received in the Health Sciences/Nursing office on the Columbia campus before 4:00 p.m. on the last business day of the month (February or August) for the term that the student is seeking admission. Faxed applications are not accepted. Any applications received after the 4:00 p.m. deadline will be returned to the person submitting the application.
3. If an applicant does not meet the admission criteria, he/she will be notified in writing. When the eligibility requirement is met, the applicant will have to resubmit his/her application.
4. Applicants who are admitted will be notified in writing.

Additional Requirements for Applicants Offered Admission

Once admitted, students are required to submit documentation of the following entry requirements prior to the first day of nursing classes. If the documentation is not completed prior to the first day of classes, students will not be permitted to start the Nursing Program.

1. Health Requirements: All nursing students must submit evidence of good health by returning a completed *Physical Examination* form. Forms are given to the students once admitted into the Nursing Program. All students must have the following:
 - a. Documented negative TB Skin Test and/or Chest X-Ray yearly. TB Skin Tests must be within three months of the

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Applicants are required to respond to the Nursing Program in writing indicating intent to accept admission by the deadline date listed in their letter.

5. Applicants will be removed from consideration for admission if their responses are not received in the Health Sciences/Nursing office by the deadline date. Students are responsible for promptly notifying the Nursing Program office of any change in name, mailing address, phone number, etc., in order to facilitate contact during the application process.
6. If applicant has been enrolled in another Nursing Program, the following requirements also apply
 - a. Submit a *Nursing Program Transfer Request Application* in lieu of a *Nursing Program Application*.
 - b. Submit official transcripts with appropriate course descriptions to the Nursing Program director.
 - c. Request a letter of eligibility from the dean/director of the previous Nursing Program, to be mailed to the Nursing Program director.
7. Admissions decisions are currently made based upon final course grades in Anatomy & Physiology I, ACT/SAT composite scores, and cumulative GPA on all attempted college credits.

Continuation Requirements

After admission to the program a student must meet the following conditions to remain eligible for continuation:

1. Maintain a passing grade of "C" or better in all nursing courses.
2. Maintain satisfactory performance in all clinical laboratory assignments.
3. Earn a grade of "C" or better in each required science course.
4. Maintain a minimum GPA of 2.0 for each semester.
5. Maintain professional conduct in the classroom and clinical laboratory.
6. Maintain BCLS certification.
7. Submit annual TB skin test results to the Health Sciences/Nursing office.

Note: The following courses are designed to be corequisites. Regardless of the grade previously earned, if either course must be repeated both courses must be repeated: NUR 1126 and NUR 1128, NUR 1127 and NUR 1128, NUR 2116 and NUR 2118, NUR 2117 and NUR 2118, NUR 2125 and NUR 2128.

Students who fail to meet the continuation requirements stated above are academically disqualified from program continuation. Students who exit the program for academic reasons may be qualified to continue taking non-nursing courses at Columbia State. Students are not permitted to register in nursing courses without readmission to the program.

Readmission Requirements

A student who exits the program prior to beginning the second semester (Nursing II) is not eligible to seek readmission to the program. A formal appeal based on extenuating circumstances may be considered for readmission into the first semester.

Only one readmission into the 2nd, 3rd, or 4th semesters of the Nursing Program is permitted. Readmission to the program is not guaranteed, regardless of the reason for dismissal. Students are readmitted on a space available basis for each nursing course. Students who seek readmission within a three year period may be readmitted into the course they were enrolled at the point of exit. If three years or more have elapsed since enrollment in nursing courses, all nursing courses must be repeated. An *Exit Interview* form must be on file to be eligible for readmission.

1. To be eligible for readmission, the student's overall college-level grade point average should be at least a 2.0 or higher. Students on academic probation are not eligible for readmission.
2. An exit interview should have been completed during the term the student withdrew or failed a course. Students who fail a course or withdraw after completing the semester must complete the exit interview no later than 6 weeks following the end of the semester in which they were enrolled.
3. All clinical access requirements, included but not limited to criminal background check, finger printing, and routine drug screening must be resubmitted prior to re-entry by any student who exits the program for any reason and is subsequently readmitted, regardless of the length of time a student is out of the program.

Readmission Procedure

1. Complete a *Readmission Application* and return the form to the Health Sciences/Nursing office (William R. Walter Bldg., 112).
2. Complete an *exit interview* with documentation to the Nursing Program director stating the reason(s) for withdrawal or failure and the actions the student will take to ensure success in the program if readmitted. This documentation must be submitted before a student will be considered for readmission.
3. The Nursing Department Admissions Committee or Nursing Program director may elect to interview students seeking readmission. Applicants will be notified by mail when and where the interviews will be held.
4. If eligible, students will be placed on a waiting list for an available seat in a specific nursing course.
5. Students who are readmitted may be asked to validate clinical skills and/or knowledge obtained from previous nursing courses as outlined by the faculty.
6. Inquires regarding readmission status should be directed to the Nursing Program director.

LPN Career Mobility Ladder (Option A or B)

Major in Nursing (A.A.S.)

(Designed for the student who does not intend to transfer into baccalaureate degree program.)

The Career Mobility Ladder Options A & B are articulation plans for the licensed practical nurse (LPN). Qualified LPNs can complete the Associate of Applied Science degree in nursing requirements in three semesters of study. LPNs are admitted on a space available basis.

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Admission Requirements

In addition to the admission requirements for the Major in Nursing, licensed practical nurses seeking admission through the Career Mobility Tract Option A or B must meet the following admission requirements.

1. Meet all College general requirements for admission as a degree-seeking student as stated in the catalog
2. Successfully pass the challenge examination for nursing within three (3) years prior to the semester seeking entry.
 1. Option A: Foundations of Nursing
 2. Option B: Foundations of Nursing and Nursing Care During Childbearing.
3. Worked at least 6 months as an LPN in a health care setting.
4. Complete prerequisite course requirements prior to the semester requesting entry.
5. Earned a cumulative grade point average of 2.5 or above on a 4.0 scale for academic subjects.

Admission Process

1. Submit the following to the Admissions office:
 - a. official college transcripts
 - b. high school transcripts or High School Equivalency Diploma - HSE (GED® or HiSET®).
 - c. ACT or SAT exam results (Applicants should have a composite score of 19 or higher. A composite score below 19 will be accepted if all required Learning Support courses are completed.
2. Submit a completed Nursing Program LPN Mobility Application to the Health Sciences/Nursing office (William R. Walter Bldg., 112). Forms are available in the Health Sciences/Nursing Office or on the Nursing Program web page (www.columbiastate.edu/nursing).
3. Submit documentation of work as an LPN in a health care setting for at least 6 months.
4. Complete an interview with the Nursing Program director or designee, if requested.
5. Complete prerequisite courses successfully, "C" or better required for sciences.
6. Once admitted, students are required to submit the same documentation for health and CPR requirements, malpractice insurance, and health insurance as other nursing students by the first day of nursing classes. If the documentation is not completed prior to the first day of classes, students will not be permitted to start the Nursing Program.

Continuation Requirements

The same continuation requirements apply to all students in Nursing. These are stated under "Continuation Requirements" listed under the Major in Nursing (A.A.S.).

Requirements for Graduation include:

- earning 25% of total program credit hours in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Program Requirements

Note: Students may elect to complete any or all non-NUR course work prior to Admission into the Program.

The courses below are applicable to degree requirements. Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010 or 1020
SPCH 1010 or SPCH 1030

Humanities/Fine Arts (Take 1 course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (BIOL 2010 and 2020 must have been completed no more than five years prior to start of program)

BIOL 2010*, 2020**, 2230

*BIOL 2010 must be completed prior to admission to the Nursing Program.

**BIOL 2020 must be completed prior to admission to the Career Mobility Tract Option A and B.

Social/Behavioral Sciences

PSYC 1030***, 2130

***PSYC 1030 must be completed prior to admission to the Career Mobility Tract Option A and B.

Core Courses (Nursing courses must be repeated if three or more years have elapsed since completion)

NUR 1115, 1118, 1126, 1127, 1128, 121, 122, 2116, 2117, 2118, 2125, 2128, 2188, 2189, 2198, 2199

Additional Pre-requisite for Career Mobility Tract Option A:

- Foundations of Nursing LPN Challenge Exam

Additional Pre-requisite for Career Mobility Tract Option B:

- Foundations of Nursing & Childbearing LPN Challenge Exam

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Course Sequence

	Traditional	LPN Option A (Pre-Requisites)	LPN Option B (Pre-Requisites)
	Pre-Requisite: BIOL 2010 Human Anatomy & Physiology I 4		
First Semester Note: Students may elect to complete any or all non-NUR course work prior to Admission into the Program.	___ NUR 1115 Nursing Foundations Practice 5 ___ NUR 121 Math Applications for Nursing 1 ___ NUR 1118 Nursing I Clinical and Skills Lab 2 ___ BIOL 2020 Human Anatomy & Physiology II 4 ___ PSYC 1030 General Psychology 3 Total 15	___ Foundations of Nursing LPN Challenge Exam ___ BIOL 2010 Human Anatomy & Physiology I 4 ___ BIOL 2020 Human Anatomy & Physiology II 4 ___ PSYC 1030 General Psychology 3 Total 11	___ Foundations of Nursing and Childbearing LPN Challenge Exam ___ BIOL 2010 Human Anatomy & Physiology I 4 ___ BIOL 2020 Human Anatomy & Physiology II 4 ___ PSYC 1030 General Psychology 3 Total 11
Second Semester	___ NUR 1126 Basic Medical - Surgical Nursing 3 ___ NUR 1127 Health of Women and Infants (Not required for Option B) 2 ___ NUR 1128 Nursing II Clinical 2 ___ NUR 122 Pharmacology 2 ___ BIOL 2230 Microbiology 4 ___ PSYC 2130 Lifespan Psychology 3 14-16		
Third Semester	___ NUR 2116 Intermediate Med-Surg Nursing 4 ___ NUR 2117 Psychiatric/Mental Health Nursing 2 ___ NUR 2118 Nursing III Clinical 3 ___ NUR 2188 Applying Surgical Concepts 1 ___ NUR 2189 Applying Psychiatric Concepts 1 ___ ENGL 1010 Composition I or ENGL 1020 Composition II 3 ___ Humanities/Fine Arts Elective* 3 17		
Fourth Semester	___ SPCH 1010 Fundamentals of Speech Communication or SPCH 1030 Argumentation and Debate 3 ___ NUR 2125 Advanced Med-Surg Nursing 6 ___ NUR 2128 Nursing IV Clinical 3 ___ NUR 2198 Applying Pediatric Concepts 1 ___ NUR 2199 Applying Medical Concepts 1 14		
Total Credit Hours 66			

For more information contact:
Barbara Blum at
bblum@columbiastate.edu or 931.540.2609
or Health Sciences Division office at
931.540.2600 or 931.540.2599
or
www.columbiastate.edu/nursing

*Humanities/Fine Arts (Take one course)
 ART 1030
 ARTH 2010, 2020
 ENGL 2015, 2130, 2230, 2330, 2920
 HUM 1130, 1131
 MUS 1030
 PHIL 1030, 2030, 2033
 THEA 1030

RADIOLOGIC TECHNOLOGY

Associate of Applied Science degree



Program and Career Description:

Radiologic Technology is a health profession that involves producing diagnostic images of patient's internal structures for use by the radiologist or referring physician in diagnosing medical problems and disorders. As a professional, the radiographer is required to observe the ethical and professional standards expected of all persons involved in caring for patients in health care settings.

How long is the program?

Columbia State offers a 22-month, full scope program in Radiologic Technology.

What does the program provide?

- Classroom instruction in crucial areas prior to clinical rotations.
- Hands-on training at clinical sites within approximately 60 miles of Columbia State.
- Clinical competencies that exceed American Registry of Radiologic Technologists requirements.
- Graduates experience excellent career mobility.
- Opportunities for introductory rotations in specialty modalities such as ultrasound, magnetic resonance imaging (MR), computed tomography (CT), radiation therapy, nuclear medicine, and cardiac catheterization.
- Encouragement toward life-long learning through involvement in local, state, and national conferences and organizations.

How is the job market?

Those qualified to perform more than one type of imaging procedure, for example MR, CT, and Mammography, will have the best employment opportunities. The American Society of Radiologic Technologists 2013 salary survey, based on survey responses, reports a national mean annual compensation of \$53,680 and a mean in Tennessee of \$46,750.

Career	Beginning Salary	Experienced Salary Median
Radiologic Technologists (TN)	\$36,420	\$54,020
Radiologic Technologists (US)	\$37,060	\$54,620

Salaries are not guaranteed and vary dramatically by area of the country, state, and community as well as setting (ie, hospital, clinic, or physician's office.)

www.columbiastate.edu/radiologic-technology

Opportunities

Columbia State's 22-month program prepares graduates for the national registry examination in radiography administered by the American Registry of Radiologic Technologists (ARRT). Graduates may pursue additional formal education (certificates, BS or MS degrees) at other institutions through traditional or online formats. Future employers may also offer on the job training in various specialty areas.

RADIOLOGIC TECHNOLOGY

Major in Radiologic Technology (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program. Many B.S. Radiologic Science programs do accept the A.A.S. degree along with certification by the ARRT as part of their academic entry requirements.)

The total program is 22 months in length and requires clinical and didactic competency as outlined in the curriculum. Clinical competency is obtained through completion of practicum objectives in approved clinical education settings throughout middle Tennessee. Transportation to and from clinical education settings is the sole responsibility of each individual student.

Program enrollment is limited by clinical education settings capacity and interview or admission is not guaranteed. Formal interviews with the Radiologic Technology Advisory Committee are held in the spring each year. New classes begin the second summer term. Applicants should schedule a preliminary interview/orientation in the summer or fall to allow sufficient time for completion of all required forms prior to February 1 of the following year. Applicants with the highest combined academic potential scores and preliminary interview/orientation scores who have completed all admission requirements will be considered for interviews with the committee.

Following the formal interviews applicants will be notified of their admission status by the Radiologic Technology department. Those students accepted to the program will receive instructions on how to complete the Health Requirements prior to clinical orientation in the fall.

Criminal background checks and routine drug screening are requirements at most affiliated clinical training sites. Based on the results of the criminal background check or drug screen, an affiliated clinical site may determine to not allow a student's presence at their facility. This could result in the inability to successfully complete the requirements of a specific course and the program. More information is available from the program director.

Notice of Felony or Misdemeanor Convictions

The American Registry of Radiologic Technologists (ARRT) has stringent rules regarding misconduct and eligibility to take the national registry exam. If you have been convicted of any felony or misdemeanor offense(s), you may complete the pre-application review process with the ARRT prior to program enrollment to avoid delays and uncertainty regarding certification eligibility. The pre-application review form is downloadable from the Ethics section of ARRT's Web site at www.rrt.org or by phoning ARRT at (651) 687-0048. The application for certification by the ARRT asks the following questions: "Have you ever been convicted of a misdemeanor, felony, or a similar offense in a military court-martial?" "Have you had any license, registration, or certification denied, revoked, suspended, placed on probation, or subject to discipline by a regulatory authority or certification board (other than ARRT)?" "Have you ever been suspended, dismissed, or expelled from an educational program that you attended in order to meet ARRT certification requirements?"

In the event that a student or graduate of the Radiologic Technology Program is concerned about ARRT eligibility, it is the sole responsibility of the student or graduate to certify eligibility with the ARRT.

Upon satisfactory completion of the program, students are awarded the Associate of Applied Science degree and are eligible to apply for the certification exam by the American Registry of Radiologic Technologists (ARRT).

Accreditation

The Radiologic Technology Program is fully accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

Joint Review Committee on Education
in Radiologic Technology
20 N. Wacker Dr., Suite 2850, Chicago, IL 60606-3182
312.704.5300 • www.jrcert.org

Accreditation guidelines concerning program requirements, standards, general information, etc., are contained in the Standards for an Accredited Educational Program in Radiologic Sciences published by the Joint Review Committee on Education in Radiologic Technology (JRCERT) and available in faculty offices and accessible via the JRCERT Web site at www.jrcert.org. The Standards and additional program information are available in the *Radiologic Technology Applicant Handbook* located Online at www.columbiastate.edu/radiologic-technology.

Mission Statement

We endeavor to provide educational experiences leading to success, professionalism, and opportunity in the radiologic sciences.

Fulfillment of the program's mission is assessed by the degree to which the following goals and outcomes are achieved by students, graduates, and/or the program:

- Goal 1: Students will demonstrate clinical competence in the performance of diagnostic radiographic procedures
 - 1.1 Students will accurately position patients for radiographic examinations.
 - 1.2 Students will select appropriate exposure factors for radiographic exams.
 - 1.3 Students will apply the principles of radiation protection to the patient, self and others.
- Goal 2: Students will demonstrate communication skills
 - 2.1 Students will utilize acceptable verbal skills in the clinical setting.
 - 2.2 Students will demonstrate oral and written communication skills.
- Goal 3: Students will develop critical thinking and problem solving skills applicable to radiography
 - 3.1 Students will modify routine imaging parameters based on patient condition and environmental conditions.
 - 3.2 Students will evaluate images for diagnostic quality.
- Goal 4: Students will exhibit professionalism
 - 4.1 Students will exhibit desirable work ethic behaviors.
 - 4.2 Students will develop the habit of lifelong learning.
- Goal 5: Graduates will contribute to the needs of the medical imaging community

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- 5.1 Admitted students will successfully complete the program.
- 5.2 Graduates will successfully complete the national certification examination.
- 5.3 Graduates will accept positions in radiography and related modalities.
- 5.4 Graduates will express satisfaction with their radiography education.
- 5.5 Employers will express satisfaction with graduates as entry-level radiographers.

The program mission and goals are consistent with the mission and goals of the college. Achievement of the goals are measured by the program's Outcomes Assessment plan completed annually.

Admission Requirements

1. Meet all college general requirements for admission as a degree-seeking student as stated in the catalog and be admitted to the college.
2. Review "Programs with Special Admissions Requirements," p. 20 in the Columbia State Catalog.
3. Exemption from or satisfaction of Learning Support competencies in reading, writing, and math as determined by college placement standards by the end of the fall semester prior to the year in which admission is sought.
4. ACT or SAT exam results are required of all applicants. Applicants must have an ACT composite score of 19 or higher (equivalent to an SAT score of 900 or higher).
5. Have earned a cumulative grade point average (GPA) of 2.5 or above on a 4.0 scale for academic subjects. The high school GPA is used for students who have earned less than 12 college credit hours. An applicant who has not earned 12 credit hours of college-level credit that has no high school GPA must have an average standard score of at least 450 on the GED[®] or 45 on the HiSET[®].
6. Schedule, attend and complete a preliminary interview/ orientation. Go to <http://www.columbiastate.edu/academics/health-sciences/radiologic-technology> and select "Preliminary Interview/Orientation Sign Up." Preliminary Interview/Orientation sessions are conducted approximately every 10-14 days from early August to early January. You should receive a ticket for the preliminary interview/orientation. Print this ticket to bring with you to the preliminary interview/orientation. Applicants will receive all paperwork and a full explanation of the program and profession. Attend a preliminary interview/orientation at the earliest possible date to give yourself ample time to submit required materials by the February 1 deadline.
7. Program application requirements listed above must be completed before February 1. This includes the two *Letter of Recommendation* forms provided at the preliminary interview/ orientation, completion of the clinical observation assignment and review of the *Radiologic Technology Applicant Handbook* available Online at <http://www.columbiastate.edu/academics/health-sciences/radiologic-technology/handbook>. The handbook contains the *Radiologic Technology Student Policy Manual*, a copy of the *Standards* adopted by the JRCERT, the *Radiography Practice Standards*, the ARRT's *Standard of Ethics*, and an estimated cost sheet.
8. Applicants must be able to physically manipulate and operate equipment, manipulate patients, and visually assess patients, test results, and the working environment. They must be able to clearly communicate, both verbally and in writing, make appropriate judgment decisions in emergency or other situations, and demonstrate emotional stability and psychological health in day-to-day interaction with patients, their family members, and personnel.
9. In compliance with the Americans with Disabilities Act, students are encouraged to register with the Office of Counseling/Disability Services for possible assistance with accommodations. It is the student's responsibility to voluntarily and confidentially provide appropriate documentation regarding the nature and extent of a disability. Students requesting accommodation are (strongly) encouraged to contact the office of Disability Services at (931) 540-2857 at the beginning of the semester.
10. College credit for Human Anatomy & Physiology I & II and the required college level math course (Elementary Statistics or Pre-Calculus Algebra) must be within the past five years to count toward the Radiologic Technology degree or the course(s) must be repeated.

Completion of the items listed above denotes consideration for an interview but in no way implies or guarantees an interview or admission to the program.

11. Once admitted, students are required to submit documentation of the following entry requirements prior to the first day of clinical assignment. If the documentation is not completed prior to the first day of clinical assignment, students will not be permitted to go to clinical.
 - a. Health Requirements: All radiologic technology students must submit evidence of good health by returning a completed *Physical Examination* form. Forms are given to the student upon acceptance into the program. All students must have a:
 1. Documented negative TB skin test and/or chest x-ray yearly. TB skin tests must be within three months of the start of the program.
 2. Evidence of Immunity for:
 - a. Rubella (positive titer).
 - b. Varicella zoster (chicken pox) (positive titer).
 - c. Rubeola titer (positive titer).
 - d. Tetanus/diphtheria booster within the past ten years.
 - e. Hepatitis B
 - f. Seasonally current Influenza immunization
 - b. Basic Cardiac Life Support (BCLS) Requirements: All students must submit evidence of a current BCLS certification (must include two-person CPR) **for the health care professional**. BCLS certification classes are offered by Columbia State Community College, health care organizations, or the American Heart Association.
 - c. Malpractice insurance is required for all radiology clinical practicum courses. A group policy is available. The fee is assessed annually as a part of the registration fees.
 - d. Health insurance is required. Students must provide evidence of health insurance coverage before clinical assignments may begin.

RADIOLOGIC TECHNOLOGY

- e. Criminal background checks and routine drug screens are required at most affiliated clinical training sites as a condition of participation in clinical education. Based on the results of these tests, an affiliated clinical site may determine to not allow your presence at their facility. This could result in the inability to successfully complete the requirements of a specific course and the program. More information is available from the program director.
- f. Attend an educational session related to the benefits of the Hepatitis B vaccine and, if not already immunized, complete the vaccination series. Students are required to provide results of a titer documenting levels of immunity to program or institutional officials.

Admission Procedures

1. Submit the following to the Admissions office.
 - a. Completed *Application for Admission* to the College.
 - b. Official college transcripts from all colleges previously attended.
 - c. High school transcripts or High School Equivalency Diploma - HSE (GED[®] or HiSET[®]).
 - d. ACT or SAT exam results.
2. Schedule and attend a preliminary interview/orientation listed at <http://www.columbiastate.edu/academics/health-sciences/radiologic-technology>
3. Submit completed program application forms received at an preliminary interview/orientation.
4. If an applicant does not meet the admission criteria, he/she will be notified in writing. If the applicant wishes to complete his/her file and application to establish eligibility for consideration the following year, remaining requirements must be submitted and the program director must be notified of the intent in writing.

Continuation Requirements

In order to continue in the Radiologic Technology Program, students must meet the following academic requirements:

1. Earn a "C" or higher in each radiologic technology course and each required math and science course.
2. Maintain a minimum GPA of 2.0 after admission and prior to enrollment as well as during each term of enrollment in the program.
3. Maintain professional conduct as outlined in the *Radiologic Technology Student Policy Manual*.
4. Enroll in all required general education courses during (or before) the semester listed in the curriculum outline.
5. Submit annual TB skin test results to the Health Sciences Records Clerk's office in the William R. Walter Bldg. on the Columbia campus.
6. Maintain evidence of uninterrupted medical insurance coverage in designated program/institutional offices.

Students who do not meet the continuation requirements will be dismissed from the Radiologic Technology Program. Students who have been dismissed from the program may be qualified to

continue courses in the College, but will not be permitted to register in radiology courses without readmission to the program.

Readmission Requirements

Only one readmission into the Radiologic Technology Program is permitted. Readmission into the Radiologic Technology Program after dismissal is not guaranteed, regardless of the reason for dismissal. A student who wishes to apply for readmission must do so, in writing, within 90 days of dismissal from the program. Regardless of the reason for dismissal, it is the sole responsibility of the student to request readmission in writing to the program director. The advisory committee for the Radiologic Technology Program will make a readmission decision after reviewing all student records and interviewing the student.

Due to the rapid change of technology in the field of radiology:

1. If three or more years has elapsed since enrollment in the program, the radiology courses must be repeated.
2. If five or more years have elapsed since previous college enrollment or completion of the following courses, these requirements apply:
 - a. Anatomy and Physiology courses must be repeated.
 - b. Required college level math course (Elementary Statistics or Pre-Calculus Algebra) must be repeated.
 - c. All current application/enrollment requirements will apply and must be met.
3. A *Conference Record* form completed upon the student's dismissal from the program must be on file to be eligible for readmission.

Readmission Procedures

1. Submit a written readmission request to the program director within 90 days of dismissal from the program.
2. Provide written documentation to the Radiologic Technology Program director stating the reason(s) for withdrawal or failure and indicate actions the student has followed to ensure success in the program if readmitted. This documentation must be submitted before a student's application for readmission will be considered.
3. The Radiologic Technology Program director will notify the student by mail when and where the interview will be held.
4. The Radiologic Technology Program director will notify the student by mail of his/her readmission status once the readmission process has been completed.

Program enrollment is limited by clinical education settings capacity and readmission will be considered only if there are positions available within the class.

RADIOLOGIC TECHNOLOGY

Program Requirements

The courses below are applicable to degree requirements. Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010 or 1020 and
SPCH 1010 or SPCH 1030

Humanities/Fine Arts (Take 1 course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement (Take 2 courses)

BIOL 2010 and 2020*

Mathematics Requirement (Take 1 course)

MATH 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910*

*Biology and math courses must have been completed no more than five years prior to start of the program.

Social/Behavioral Sciences (Take 1 course)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOCT 1010, 1020, 2010

Core Courses

INFS 1010
RAD 101, 106, 112, 113, 121, 122, 123, 190, 241, 251,
281, 291, 292, 294, 295

Readmission/Transfer Students: See details in catalog. All RAD courses must be repeated if three or more years have elapsed since prior enrollment.

For more information contact:

radtech@columbiastate.edu

or

Health Sciences Division office at 931.540.2600

or 931.540.2599

or

www.columbiastate.edu/radiologic-technology

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Course Sequence

First Year – Summer Semester

___ RAD 101	Introduction to Radiography	2
___ RAD 112	Image Production I	2
___ Social/Behavioral Sciences		3
		7

First Year – Fall Semester

___ RAD 113	Image Production II	2
___ RAD 121	Radiographic Positioning I	3
___ Mathematics Requirement		3
___ ENGL 1010	Composition I or	
___ ENGL 1020	Composition II	3
___ BIOL 2010	Human Anatomy & Physiology I	4
___ INFS 1010	Computer Applications	3
		18

First Year – Spring Semester

___ RAD 106	Radiation Physics	2
___ RAD 122	Radiographic Positioning II	2
___ RAD 123	Contrast Media Procedures	2
___ RAD 190	Radiologic Practicum I	3
___ BIOL 2020	Human Anatomy & Physiology II	4
___ Humanities/Fine Arts		3
		16

Second Year – Summer Semester

___ RAD 291	Radiologic Practicum II	6
		6

Second Year – Fall Semester

___ RAD 241	Radiographic Special Procedures	2
___ RAD 292	Adv. Radiation Physics & Radiobiology	2
___ RAD 294	Radiologic Practicum III	8
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
		15

Second Year – Spring Semester

___ RAD 251	Survey of Medical & Surgical Diseases	2
___ RAD 281	Radiation Protection & Radiologic Seminar	2
___ RAD 295	Radiologic Practicum IV	8
		12

TOTAL CREDIT HOURS 74

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be at least 2.0 or higher
- taking the Exit Exam.



Program and Career Description:

A Respiratory Therapist is a health care professional that assists physicians in diagnosis, evaluation, monitoring, treatment and rehabilitation of patients with disorders affecting the cardio-respiratory system. Registered Respiratory Therapists also educate patients, families and communities on topics relating to the cardio-respiratory system. For more information, visit www.columbiastate.edu/respiratory-care.

How long is the program?

Columbia State offers a two-year program in Respiratory Care.

What does the program provide?

- Hands-on training at area Middle Tennessee health care facilities.
- Community service activities.
- Participation in the Respiratory Care Club.
- Involvement in professional meetings.
- Low student-to-teacher ratio.

How is the job market?

Demand for Respiratory therapists is anticipated to grow 19% thru 2022 according to the Bureau of Labor statistics (www.bls.gov). Median income was \$55,870 (\$26.86/hr) in May 2012.

Career	Beginning Salary	Experienced Salary Median
Respiratory Therapist (TN)*	\$36,000	\$59,900
Respiratory Therapist (US)*	\$41,000	\$75,400

*Career Salary information taken from www.acinet.org in May 2012. Check out these web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed and vary dramatically by area of the country, state, and community as well as setting (ie, hospital, clinic, or physician's office.) Salaries are not guaranteed.

www.columbiastate.edu/respiratory-care

Opportunities

Graduates are eligible to take the National Board for Respiratory Care (NBRC) credentialing exams to become Registered Respiratory Therapists (RRTs). Graduates are commonly employed at Middle Tennessee health care facilities including adult, pediatric and neonatal intensive care units.

RESPIRATORY CARE

Associate of Applied Science degree

RESPIRATORY CARE

Major in Respiratory Care (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

The program provides clinical experiences at several middle Tennessee health care facilities. These experiences include working with newborns, children, adults and geriatric patients. Clinical experiences are obtained in such areas as general care, intensive care, emergency room and pulmonary diagnostics. Additionally, students attend respiratory care professional meetings and participate in community service activities. Transportation to and from the various venues is the responsibility of the student.

The graduate is eligible to take the national credentialing examinations to become a registered respiratory therapist (RRT). Those desiring to work in Tennessee upon graduation are required to obtain a Respiratory Care License to practice.

Criminal background checks are a requirement at most affiliated clinical training sites. Based on the results of the criminal background check, an affiliated clinical site may determine to not allow your presence at their facility. This could result in your inability to successfully complete the requirements of a specific course and the program. More information is available from the program director.

Applicants who have been convicted of a crime other than a minor traffic violation may be ineligible for licensure as a registered respiratory therapist. For more information, contact the respiratory care program director for details.

Multiple clinical affiliates require satisfactory results from a drug screen prior to the start of clinical training. A positive drug screen will result in the student being excluded from clinical attendance. In this case the student will be counseled to withdraw or will ultimately earn a failing grade based on inability to complete the clinical requirements of the program. Students are also subject to random drug screening throughout the program.

Accreditation

The Respiratory Care Program at Columbia State Community College is accredited by the Commission on Accreditation for Respiratory Care (CoARC).

Commission on Accreditation for Respiratory Care (CoARC)
1248 Harwood Road
Bedford, TX 76021-4244
817-283-2835
www.coarc.com

Program outcomes include:

The goal of the program is to prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains of respiratory care practice as performed by registered respiratory therapists (RRTs).

In order to achieve the program goals the program has adopted the following outcomes:

1. Students will pass a multi-part comprehensive examination similar to the national credentialing examinations prior to graduation.
2. Graduates will pass the credentialing examinations at or above the national rate.
3. Graduates will receive satisfactory performance evaluations from their employers within the first year after graduation.

A new class is admitted each fall. Applications are accepted from January 1 to May 1. Applicants will be notified by the first week in June concerning acceptance into the fall class. Applications received after May 1, but before the beginning of the fall semester, may be considered on a space available basis. Class size is limited by laboratory and clinical space. Therefore, entrance into the program is competitive. Those not selected may reapply for subsequent classes.

Admission Requirements

All applicants must complete the following requirements by the application deadline to be considered for entrance into the program.

1. Meet all College admission requirements.
2. Complete all entrance examinations such as the ACT/SAT or placement exam as required by the College prior to the application deadline.
3. Exemption from or satisfaction of Learning Support competencies in reading, writing, and math as determined by college placement standards.
4. Possess a cumulative grade point average of 2.0 or above on a 4.0 scale for academic subjects. Learning Support courses are not included as part of the GPA.
5. The Respiratory Care Program complies with all Americans with Disabilities Act requirements. All students will be provided reasonable accommodations regarding physical and mental limitations. In keeping with the accreditation standards outlined by CoARC, all students must possess the physical and emotional abilities required of a respiratory therapist. These abilities include, but are not limited to, the following:
 - a. Physical strength necessary to carry common objects, push or move common equipment, move and reposition patients in bed, perform CPR, etc.
 - b. Manual dexterity required to assemble common equipment, perform skills such as intubation, arterial puncture, etc.
 - c. Auditory ability to hear alarms, listen to breath sounds, measure blood pressure, etc.
 - d. Visual acuity necessary to differentiate colored alarms, read information from various types of electronic monitors, record data onto electronic and print media, etc.
 - e. Verbal abilities to effectively communicate necessary information to others.

RESPIRATORY CARE

- f. Possess a command of the English language necessary to effectively communicate verbally and in writing with patients, families and other health care workers. An English proficiency test may be required of those who use English as a second language.
 - g. Perform the duties of a respiratory therapist under the stress of medical emergencies, death and dying, natural disasters, etc.
6. College credit for Human Anatomy and Physiology I & II must be within the past five years to count toward the Respiratory Care degree or the courses must be repeated

Admission Procedures

1. Submit the following to the Admissions office:
 - a. Completed *Application for Admission* to the College.
 - b. Official college transcripts.
 - c. High school transcripts or High School Equivalency Diploma (GED® or HiSET®).
 - d. ACT/SAT or placement exam results as required by the College.
2. Attending a program orientation session is strongly encouraged. Orientation gives an overview of the profession and the program selection criteria, important components of the program and continuation criteria. Orientation sessions are scheduled throughout the year. Contact the program director for dates and times.
3. Submit program application to the Respiratory Care Program director by the application deadline.
4. Attend an interview, by appointment, with program faculty once all other application requirements have been completed.

Continuation Requirements

In order to remain in the program, students must meet the following requirements:

1. Earn a "C" or higher in each respiratory care course.
2. Satisfactorily complete each clinical skill evaluation.
3. Complete the required math and science courses no later than the semester listed on the program of study.
4. Earn a "C" or better in each required math and science course.
5. Maintain a cumulative 2.0 GPA or better, excluding Learning Support courses.
6. Maintain professional conduct as outlined in the program's student handbook.
7. Prior to the start of clinical rotations each student must provide documentation regarding a physical exam, current immunization, proof of health insurance, possession of malpractice insurance, criminal background check and drug screening. See the program's student handbook for details.
 - a. Health Requirements: All students must submit evidence of good health by returning a completed *Physical Examination* form. Forms are given to the students once admitted into the Respiratory Care program.
 - b. All students must have:
 1. Documented initial negative TB skin test and chest x-ray. TB skin tests must be repeated annually.
 2. Evidence of Immunity for:
 - a. Rubella (German measles or 3-day measles), (positive titer).

- b. Varicella zoster (chicken pox) (positive titer).
- c. Rubeola titer (measles), (positive titer).
- d. Tetanus/diphtheria booster within the past ten years
- e. Mumps (positive titer).

The complete list of requirements is given on the *Physical Examination* form.

- c. CPR Requirements: All students must submit evidence of completion of an American Heart Association Healthcare Provider Basic Life Support course, AHA, BLS-HCP, which does not expire until after graduation.
 - d. Malpractice Insurance: Malpractice insurance is required for all clinical courses. A group policy is provided with the fee assessed with tuition each fall.
 - e. Health Insurance: Students are responsible for all costs incurred related to health problems, including injuries occurring during clinical experiences. Students are required to maintain health insurance while in the program and provide verification prior to the start of clinical training.
 - f. Criminal background check: All students must have a criminal background check performed within 90 days prior to the start of clinical training. Depending on the finding of the background check a student may not be allowed to start or finish clinical training requiring the student to withdraw from the program.
 - g. Drug screening: All students must have a drug screen performed within 90 days prior to the start of clinical training. Depending on the results of the drug screen a student may not be allowed to continue in the program.
8. Meet/comply with the requirements of clinical affiliates regarding students.
 9. All math and science courses must be completed with a "C" or better no later than the semester listed in the program of study and possess a GPA of 2.0 or higher, excluding Learning Support courses.

Students who do not meet the continuation requirements described above will be unable to continue in the program and required to withdraw. Students who withdraw from the Respiratory Care program may still be eligible to continue as a student of the College. Depending on the circumstances, students may have the option to apply for readmission to the program at a later date. Refer to "Readmission" below. A maximum of two program admissions are allowed.

Readmission into the Program

Readmission into the program is not guaranteed. Readmission is based on available space and the circumstances of withdrawal or dismissal. Students seeking readmission must submit a formal, written request to the program director and an updated program application at least 60 days prior to the beginning of the semester for which they desire to enroll. Didactic knowledge and clinical skills may be retested in order to determine placement. Previously completed classes may need to be repeated. Other activities may need to be completed as a condition for readmission depending on the circumstances of withdrawal. Consult the program's student handbook and program director for further details.

RESPIRATORY CARE

All admission and continuation requirements apply to those seeking readmission. Due to the rapid technological changes in respiratory care, a gap of three or more years will necessitate repeating all respiratory care education courses. Additionally, Anatomy and Physiology I & II courses which are more than 5 years old must be repeated.

Advanced Standing (transfer into the program & CRT-to-RRT)

Transfer

Students wanting to transfer into the program must follow the admission requirements outlined above. Additionally, the program director or the director of clinical education from the previous program must provide a letter of recommendation. Transfer into the program will be based on space availability and the circumstances of the transfer. Admission into the program based on transfer is not guaranteed. Students must make application to the program at least 60 days prior to the beginning of the semester they desire to enroll.

Students may be tested over previous Respiratory Care course material and clinical skills. A minimum of 75% must be obtained in all areas in order to be accepted. Placement will be based, in part, on didactic and skill evaluations.

Students must have completed, with a "C" or better, all required math and science courses as outlined in this catalog. Anatomy & Physiology I and II courses that are more than 5 years old must be repeated. Due to the rapid technological changes in respiratory care, those having a three or more year gap in their respiratory care education must repeat all Respiratory Care courses.

Transfer students will take at least the last two semesters of Respiratory Care courses at Columbia State.

CRT-to-RRT

Those with the CRT credential wanting to continue their education and become registry eligible must follow the admission requirements outlined above. Admission into the program is not guaranteed. Students must make application to the program at least 60 days prior to the beginning of the fall semester. Specific requirements include:

1. Satisfy the "Admission Requirements" and "Continuation Requirements" of the program as listed above.
2. Provide documentation of current ACLS provider training that does not expire prior to the anticipated graduation date.

The CRT-to-RRT applicant must complete the last two semesters of Respiratory Care courses at Columbia State Community College. The applicant may request to test out of Clinical Practice III.

RESPIRATORY CARE

Program Requirements

The courses below are applicable to degree requirements. Students may be required to take additional Learning Support courses.

Communications Requirement:

ENGL 1010 or 1020

SPCH 1010

Humanities/Fine Arts (Take 1 course)

ART 1030

ARTH 2010, 2020

ENGL 2015, 2130, 2230, 2330, 2920

HUM 1130, 1131

MUS 1030

PHIL 1030, 2030, 2033

THEA 1030

Natural Sciences Requirement*

BIOL 2010, 2020, 2230

*BIOL 2010 and 2020 must have been completed no more than five years prior to start of program.

Mathematics Requirement (Take 1 course)

MATH 1530, 1630, 1710, 1720, 1730, 1830, 1910

Social/Behavioral Science (Take 1 course)

PSYC 1030 **or** 2130

Core Courses**

RCT 101, 102, 120, 130, 150, 191, 192, 212, 221, 242, 252, 293, 294

**Respiratory Care courses must be repeated if three or more years have elapsed since completion.

Course Sequence

First Year – Fall Semester

___ RCT 101	Fundamentals of Respiratory Care I	4
___ BIOL 2010	Human Anatomy & Physiology I	4
___ Mathematics Requirement		3
___ ENGL 1010	Composition I or	
___ ENGL 1020	Composition II	3
___ Social/Behavioral Science		3
		17

First Year – Spring Semester

___ RCT 102	Fundamentals of Respiratory Care II	4
___ RCT 120	Respiratory Care Pharmacology	2
___ RCT 191	Clinical Practice I	1
___ BIOL 2020	Human Anatomy & Physiology II	4
___ BIOL 2230	Microbiology	4
		15

First Year – Summer Semester

___ RCT 130	Intensive Care Monitoring	4
___ RCT 150	Arterial Blood Gases	4
___ RCT 192	Clinical Practice II	3
		11

Second Year – Fall Semester

___ RCT 221	Mechanical Ventilation	4
___ RCT 242	Respiratory Pathophysiology	3
___ RCT 293	Clinical Practice III	4
___ Humanities/Fine Arts		3
		14

Second Year – Spring Semester

___ RCT 212	Pulmonary Functions/Seminar	4
___ RCT 252	Neonatal/Pediatric Respiratory Care	4
___ RCT 294	Clinical Practice IV	4
___ SPCH 1010	Fundamentals of Speech Communication	3
		15

TOTAL CREDIT HOURS 72

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

For more information contact:

R. David Johnson at

david.johnson@columbiastate.edu or 931.540.2663

or

Health Sciences Division office at 931.540.2600

or 931.540.2599

or

www.columbiastate.edu/respiratory-care

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.



Program and Career Description:

The Veterinary Technology Program provides intensive study of the skills and knowledge needed to work competently as a veterinary technician including anatomy, physiology, microbiology, clinical techniques, pharmacology, anesthesiology, surgical and medical nursing, radiology, and clinical pathology training.

How long is the program?

Columbia State offers a two-year (21-month) full scope program in Veterinary Technology.

What does the program provide?

- Classroom instruction, laboratory, and clinical experiences.
- Competencies that exceed American Veterinary Medical Association requirements.

How is the job market?

The first job for about 90% of graduate veterinary technicians is in private practice, with companion animal practice leading the list. However, the demand for veterinary technicians in other fields is growing rapidly. The Bureau of Labor Statistics projects employment for veterinary technicians nationally to increase by 36% from 2008 - 2018 because of the relatively few veterinary technology graduates each year. The profession is expected to experience continued growth through a combination of increased demand by facilities for the skills of licensed technicians as well as opportunities created when current technicians advance, opt for additional formal education, or retire. Employment of veterinary technicians is typically stable during periods of economic decline or recession.

Career	Beginning Salary	Experienced Salary Median
Veterinary Technicians (TN)	\$23,240	\$31,470
Veterinary Technicians (US)	\$27,970	\$40,550

Career Salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

www.columbiastate.edu/veterinary-technology

Opportunities

Opportunities exist in the following areas:

- Teaching
- Pharmaceuticals
- Biomedical Research
- Military Services
- Humane Societies
- Diagnostic Laboratories
- Zoo/Wildlife Medicine
- Veterinary Supply Sales

VETERINARY TECHNOLOGY

Associate of Applied Science degree

VETERINARY TECHNOLOGY

Major in Veterinary Technology (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

Veterinary technicians are important members of the veterinary health care team, work in veterinary medicine throughout the nation, and are extremely important in the effort to provide quality animal health care to ensure the humane treatment of all animals.

Program enrollment is limited due to facility constraints and admission is not guaranteed. New classes begin only in the fall semester. Applicants should contact program faculty early in the year to allow adequate time for completion of all required forms. Review of applications will begin February 15 annually. Eligible candidates who have complete college and program applications will be invited to interview with the admissions committee. Applicants who submit materials after February 15 may be considered on a space available basis. All Learning Support requirements must be completed by the end of the Spring Semester prior to beginning Veterinary Technology classes in the Fall semester.

Clinical skills in veterinary technology are obtained through completion of practicum objectives at affiliated veterinary facilities throughout middle Tennessee. Over 500 hours of supervised clinical experience are required and students must provide their own transportation to and from facilities. Clinical sites will be assigned to the student by program faculty to provide exposure to a variety of animal species. Assignment locations are not based solely on proximity to the student's place of residence.

Clinical background checks are required by a few affiliated clinical training sites. Based on results of the criminal background check, an affiliated clinical site may determine to not allow your presence at their facility. The Veterinary Technology program does not require a criminal background check as part of admissions. After graduating from the program, the State Board of Veterinary Medical Examiners will require a background check upon application for licensure. More information is available from your program director.

Upon successful completion of the program students are awarded the Associate of Applied Science degree and are eligible to apply for licensure by the State Board of Veterinary Medical Examiners as a Licensed Veterinary Medical Technician.

Accreditation Information

The Veterinary Technology Program at Columbia State is accredited by the American Veterinary Medical Association.

American Veterinary Medical Association
1931 N. Meacham Road, Suite 100
Schaumburg, IL 60173-4360
1-847-925-8070

Admission Requirements

Candidates for admission must have a high school diploma or High School Equivalency Diploma (GED® or HiSET®) and must be admitted to the College before being considered for admission to the program.

As early as possible, the student should contact a member of the program faculty for information on advising and the application process. The student may also wish to schedule a campus tour and arrange a meeting with program faculty. Tours can be scheduled by calling 931.540.2766. For the latest information on campus tours go to: www.columbiastate.edu/admissions/campus-tours.

The following items must be on file in the Admissions office:

1. Completed *Application for Admission to the College*.
2. Official transcripts from:
 - a. High school (A partial transcript is acceptable for high school seniors prior to graduation.)
 - b. All colleges attended.
3. Completion of testing and test results sent to Columbia State.
 - a. ACT/SAT, if under age 21.
 - b. Placement test scores, if required.

The following are requirements of the Veterinary Technology Program:

1. Students applying to the program must have a minimum GPA of 2.0 to be eligible.
2. Complete all Veterinary Technology Program application forms.
3. Complete a formal personal interview with the program director of Veterinary Technology and/or the selection committee. Applicants are evaluated during the interview process based on the following criteria: professional appearance, academic ability, previous experience, reasoning skills, personal interaction skills, and motivation.
4. Complete an eight-hour observation of the activities and duties of a licensed veterinary technician.
5. Report, in writing, any felony convictions.
6. Thoroughly review the *Veterinary Technology Program Student Policy Manual*, available on the Columbia State web site and in the Library, prior to being admitted into the Veterinary Technology Program. This action must be documented by signing a verification form provided by the Veterinary Technology Program.
7. Exemption from or satisfaction of Learning Support competencies in reading, writing, and math as determined by college placement standards by the end of the Spring semester prior to enrolling in Veterinary Technology classes for the Fall semester.

Completion of these requirements certifies eligibility, but in no way implies or guarantees admission to the program.

Review of applications will begin February 15 annually. Applicants who submit materials after February 15 may be considered on a space available basis. Class size is limited. All Learning Support requirements must be completed by the end of the Spring Semester prior to beginning Veterinary Technology classes in the Fall semester. If the class has not been filled to capacity by the end of the Summer Semester, students completing their Learning Support requirements at the end of the Summer semester may be considered on an individual basis.

VETERINARY TECHNOLOGY

Following the class selection, all applicants will be officially notified by the Veterinary Technology Program director of their admission status.

Continuation Requirements

In order to continue in the Veterinary Technology Program, students must meet the following academic requirements:

1. Earn a "C" or higher in each Veterinary Technology course.
2. Earn a "C" or higher in AGRI 1020, AGRI 1025, and BIOL 2230 in order to continue in the program.
3. Earn a "C" or higher in clinical practice, which is considered satisfactory performance in clinical assignment.
4. Maintain a GPA of 2.0 or higher.
5. Enroll in and successfully complete all required general education courses during (or before) the semester listed in the curriculum outline.
6. Maintain professional conduct as outlined in the *Veterinary Technology Program Student Policy Manual*.

Students who do not meet the continuation requirements above are ineligible to progress in the Veterinary Technology Program. These students may be qualified to continue courses in the College, but will not be permitted to register in a Veterinary Technology course without readmission to the program.

Readmission to the Program

Readmission to the Veterinary Technology Program after dismissal is not guaranteed, regardless of the reason. A student who wishes to apply for readmission must do so in writing, at least 60 days prior to the beginning of the semester in which the student would like to reenroll. After reviewing all student records, the Veterinary Technology faculty will determine whether the student will be readmitted to the program. Students dismissed from the program a second time may not be readmitted. Due to the rapid change of technology in the field of veterinary medicine, an elapsed time period of five years or more shall necessitate repeating all Veterinary Technology courses.

Program enrollment is limited by accreditation, readmission will be considered only if there are positions available within the class.

VETERINARY TECHNOLOGY

Program Requirements

The courses below are applicable to degree requirements. Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

Humanities/Fine Arts (Take 1 course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Sciences Requirement

BIOL 2230
BIOL 1110 or 1120 (Take 1 course)

Social/Behavioral Sciences (Take 1 course)

ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOVI 1010, 1020, 2010

Major Required Courses

AGRI 1020, 1025
VET 102, 112, 113, 191, 192, 193, 201, 202, 203, 251

Note: Learning Support math requirement(s) must be satisfied even if you do not intend to take a college-level math course.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses, AGRI 1020, AGRI 1025, and BIOL 2230.
- cumulative GPA must be at least 2.0.
- taking the Exit Exam.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Course Sequence

First Year – Fall Semester

___ ENGL 1010	Composition I	3
___ AGRI 1020	Introduction to Animal Science	4
___ BIOL 1110	General Biology I or	
___ BIOL 1120	General Biology II	4
___ VET 112	Veterinary Technology Orientation I	4
		15

First Year – Spring Semester

___ BIOL 2230	Microbiology	4
___ AGRI 1025	Livestock Management	3
___ ENGL 1020	Composition II	3
___ VET 113	Veterinary Technology Orientation II	4
		14

First Year – Summer Semester

___ VET 102	Animal Anatomy	4
___ VET 191	Clinical Practicum I	2
___ VET 201	Veterinary Lab Procedures I	5
		11

Second Year – Fall Semester

___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ VET 192	Clinical Practicum II	5
___ VET 202	Veterinary Lab Procedures II	5
___ VET 251	Pharmacology	3
		16

Second Year – Spring Semester

___ Humanities/Fine Arts Elective		3
___ Social/Behavioral Science Elective		3
___ VET 193	Clinical Practicum III	5
___ VET 203	Veterinary Lab Procedures III	5
		16

TOTAL CREDIT HOURS 72

Any non-VET classes may be taken prior to program enrollment. Once enrolled in the Vet Tech program, students will not be permitted to postpone any non-VET, general education course(s). Should any course not be offered at Columbia State during the term indicated, program officials will assist students in re-ordering courses to complete all requirements.

For more information contact:

vettech@columbiastate.edu

or

Health Sciences Division office at
931.540.2600 or 931.540.2599

or

www.columbiastate.edu/veterinary-technology



Program and Career Description:

The Technical Certificate in Advanced Integrated Industrial Technology is a one-year program designed to prepare graduates for many different careers related to manufacturing with an emphasis on technology, critical thinking, and problem solving. Students will take courses in the basic fundamentals of industrial technology and move to more advanced applications including Programmable Logic Controls.

Career	Beginning Salary	Experienced Salary Median
Industrial Machinery	\$32,750	\$46,780
Maintenance Workers	\$25,460	\$40,110
Electrical/Electronic Engineering Technicians	\$43,450	\$62,360
Maintenance & Repair Workers	\$23,910	\$34,580

Career and salary information taken from www.jobs4tn.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

This technical certificate will be an embedded certificate within the Advanced Integrated Industrial Technology A.A.S. degree. Upon successful completion of the certificate program, students will be afforded the opportunity to complete industry certification exams.

Required Courses

___ AIT 1001	Basic Electricity	2 hours
___ AIT 1102	Fluid Power Distribution	2 hours
___ AIT 1003	Hydraulic/Pneumatic Fundamentals	1 hour
___ AIT 1401	Basic Electrical Controls	2 hours
___ AIT 1402	Basic Pneumatic Controls	1 hour
___ AIT 1403	Basic Hydraulic Controls	1 hour
___ AIT 1302	Integrated Process Control	2 hours
___ AIT 1501	Intermediate Electrical Controls	2 hours
___ AIT 1502	Intermediate Pneumatic Controls	1 hour
___ AIT 1503	Intermediate Hydraulic Controls	1 hour
___ AIT 2201	Programmable Logic Controls	2 hours
___ AIT 2202	Programmable Logic Controls Lab	2 hours

Requirements for Certificates include:

- Total certificate hours must be at least 19
 - earning 50% of total program credits in residence at Columbia State
 - Cumulative GPA must be at least 2.0**
- **This includes all classes taken even those not required for the certificate.

For more information contact:
Mehran Mostajir at
mmostajir@columbiastate.edu
or 931.540.2711 or 931.398.8868
or
Science, Technology and Math
Division office at 931.540.2710

For more information about our graduation rates, the median debt of students who completed the program and other important information, please visit our web site at <http://www.columbiastate.edu/IR/Gainful%20Employment/AIIT/gedt.html>

2015-2016 Catalog



Program and Career Description:

The Basic Early Childhood Education Certificate program prepares individuals to work with children birth through third grade and their families in a variety of childcare settings. The program provides early childhood development instruction based upon criteria developed by the National Association for the Education of Young Children (N.A.E.Y.C.).

This certificate is designed for the student who does not intend to transfer into a baccalaureate degree program.

Career	Beginning Salary	Experienced Salary Median
Child Care Workers	\$17,680	\$24,000

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Graduates from the program should be prepared to individually and successfully complete the National Child Development Associate (C.D.A.) credentialing process. The classes are part of the process meeting competency goals for the national certificate but are also designed for any Early Childhood college student. The certificate from Columbia State Community College is not the C.D.A. certificate or public school teaching certificate. This certificate is not eligible for financial aid.

Some courses in the Basic Early Childhood Certificate Program are electives in the General Transfer, Early Childhood Education Emphasis Associate of Art (A.A.) / Associate of Science (A.S.) degree and are articulated to the Bachelor Degree (B.S.) in Early Childhood at Middle Tennessee State University as program electives. ECED 2335, Initial Practicum, is not accepted as a transfer course. Students must have at least at 3.0 grade in Early Childhood Education courses in the degree plan.

Required Courses

ECED 2310	Safe, Healthy Learning Environments	3 hours
ECED 2315	Early Childhood Curriculum	3 hours
ECED 2340	Family Dynamics and Community Involvement	3 hours
ECED 2335	Initial Practicum	3 hours

Requirements for Certificates include:

- Total certificate hours must be at least 12
 - Earning 50% of total program credits in residence at Columbia State.
 - Cumulative GPA must be at least 2.0*
- * This includes all classes taken even those not required for the certificate.

For more information contact:

Victoria Gay at
vgay@columbiastate.edu or 931.540.2859

or

Humanities & Social Sciences Division office at:
 931.540.2780





Program and Career Description:

This certificate is designed to prepare students to advance in the business community by providing them basic knowledge and skills in business management. Courses from this program may be applied to the Associate of Applied Science degree in Business or General Technology.

Career	Starting Salary	Experienced Salary Median
Retail Assistant Store Manager	\$23,800	\$32,100
Customer Service Representative	\$22,000	\$26,800
General Clerk	\$20,200	\$24,600

Career and salary information taken from www.salary.com and represents a statewide average based on eight cities. Salaries are not guaranteed.

Program Requirements

The Business Technical Certificate is offered in a traditional format during the day in Columbia and also in an online/hybrid format for those who prefer to complete most of their coursework at home. The online courses are in a 7-week or 15-week format, while the hybrid courses are in a 5-week, 7-week, or a 15-week format. The certificate can be completed in two semesters.

Students may be required to take additional Learning Support courses.

It is recommended that the courses be taken in the following order:

___ BUSN 1305	Introduction to Business	3
___ INFS 1010	Computer Applications	3
___ BUSN 1380	Supervisory Management	3
___ BUSN 1310	Business Communication	3
___ BUSN 1350	Sales and Service	3
___ BUSN 2370	Legal Environment of Business	3
___ BUSN 2380	Principles of Marketing	3
___ ACCT 1010	Principles of Accounting I	3
___ Elective*		3

*Note: An elective can be any college-level course. BUSN/IST courses are strongly recommended.

Requirements for Certificates include:

- Total certificate hours must be at least 27
 - earning 50% of total program credits in residence at Columbia State
 - Cumulative GPA must be at least 2.0**
- **This includes all classes taken even those not required for the certificate.

For more information about our graduation rates, the median debt of students who completed the program and other important information, please visit our web site at <http://www.columbiastate.edu/IR/Gainful%20Employment/Business/gedt.html>



Photo taken by Sarah B. Gilliam

Program and Career Description:

The Commercial Entertainment Technical Certificate is designed for students who want to enter the entertainment field immediately upon receiving the certificate as a performer (singer/dancer) or songwriter, and provides a balanced approach to the skills needed to seek employment in this field. Courses in the Commercial Entertainment certificate program may be applied toward the Commercial Entertainment associate degree program. Below are a few examples of career and salary estimates.

Career	Beginning Salary	Experienced Salary Median
Singers/Dancers on Cruise Ships	\$25,800	\$34,750
Songwriters/Composers/ Music Directors	\$36,310	\$62,850
Dancers/Choreographers	\$34,750	\$44,540

Career Salary information taken from www.jobs4tn.gov and www.bls.gov. Check out these web sites for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

This certificate program is not designed for transfer to a four year college or university. However, some agreements are in place that will allow credit to be given for a portion or the entirety of this degree path. Please check with the transfer institution or your advisor for specific details.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.

COMMERCIAL ENTERTAINMENT

Technical Certificate (Designed for the student who does not intend to transfer into a baccalaureate degree program.)

Admission Requirements

Program applicants are selected twice a year for fall and spring semesters. Students interested in applying to the Commercial Entertainment Program should follow the procedures listed below:

1. All applicants must meet the general requirements for admission to the College and apply for admission as stated in the College catalog.
2. Complete a *Request for Admission to Commercial Entertainment Program* form before the beginning of the semester in which the student plans to enroll in the program.
 - a. Forms are available in the Commercial Entertainment office at the Williamson County Center of Columbia State Community College. Prospective students may call (615)790-4420 to request that the form be received through the mail.
 - b. Health Requirements
 1. Students must be physically able to participate in dance, drama, and singing.
 2. Prior to participating in stagecraft classes, it is recommended that students have a Tetanus booster if it has been more than five years since their last booster.
3. Commercial Entertainment students must exhibit proficiency in at least one of four areas: dance, drama, singing or music. Upon receipt of the *Request for Admission* form, the program director will contact the student to set an appointment for an audition. Audition appointments will not be scheduled until a completed *Request for Admission* form is received. Due to limited enrollment, early applicants will receive first audition appointment options.
 - a. Appointments for in-person auditions may be scheduled any time before the official registration day for the beginning of the semester. This audition may be recorded by the program director to be used to confer with faculty in the Commercial Entertainment program.
 - b. An applicant may elect to submit a prerecorded audition on CD/DVD. The deadline for submission of prerecorded auditions is August 1 for fall semester and December 1 for spring semester.

4. The audition should showcase the applicant's skill in at least one of the following areas: dance, drama, and/or singing. The following table shows the requirements of the audition for each skill area.

Requirements for Audition

Skill Area	Timeframe	Performance
Dance	1 - 1.5 minutes	Choreographed routine exhibiting proficiency in jazz, tap, or ballet. <ul style="list-style-type: none"> • Dance attire required for the dance audition. • Musical accompaniment on CD required.
Drama	1 minute each	Two contrasting monologues. <ul style="list-style-type: none"> • Do not bring props to the audition.
Voice	1 - 2 minutes	Pop, country, jazz, or musical theatre selection. <ul style="list-style-type: none"> • Musical accompaniment on CD required.

5. The number of applicants admitted is determined by space available. Criteria for admissions are an acceptable level of proficiency in one or more of the three skill areas as determined by the program director. The program director will notify all students in writing concerning the disposition of their application within thirty days of their audition.

COMMERCIAL ENTERTAINMENT

Technical Certificate (Designed for the student who does not intend to transfer into a baccalaureate degree program.)

Program Requirements

Major Required Courses

CEN 207
MUS 1510, 1810, 1820, 1850, 2350

Songwriting Option

CEN 135, 136
MUS 1860, 2360

Performance Option

CEN 102, 200, 216
MUS 1520, 1800
THEA 1400
Take one hour from the following:
CEN 101, 107, 109, 111, 203

Please see the Commercial Entertainment Program Director for Advising and scheduling of classes.

Requirements for Certificates include:

- Total certificate hours must be at least 24
- earning 50% of total program credits in residence at Columbia State
- Cumulative GPA must be at least 2.0*

*This included all classes taken even those not required for the certificate.

Sample Schedule

First Year – Fall Semester

___	MUS 1810	Fundamentals of Music I	3
___	MUS 2350	Digital Audio Recording	3
___	MUS 1510	Class Voice I	1
___	MUS 1850	Musical Keyboarding I	1

Songwriting Option

___	CEN 135	Commercial Songwriting I	3
___	MUS 1860	Musical Keyboarding II	1

Performance Option

___	CEN 102	Dance Performance and Production Lab	1
___	MUS 1800	Choral Lab	1
___	CEN 200	Audition/Showcase Techniques	2
			12

First Year – Spring Semester

___	MUS 1820	Fundamentals of Music II	3
___	CEN 207	Entertainment Business	3

Songwriting Option

___	CEN 136	Commercial Songwriting II	3
___	MUS 2360	Digital Music Production	3

Performance Option

___	CEN 216	Professional Audition	1
___	MUS 1520	Class Voice II	1
___	THEA 1400	Stagecraft	3
___	CEN Elective		1
			12

TOTAL CREDIT HOURS 24

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

For more information about our graduation rates, the median debt of students who completed the program, and other important information please visit our Web site at: <http://www.columbiastate.edu/IR/Gainful%20Employment/CEN/gedt.html>

For more information contact:
Cathy Hudnall at
chudnall@columbiastate.edu or 615.790.4420
or
Williamson County Center at 615.790.4400

Program and Career Description:



Computed Tomography (CT) Technologists are Radiologic Technologists with specialized training who use a rotating x-ray unit and sophisticated computers to obtain detailed, cross-sectional images of patient anatomy. The images can demonstrate tissue, bones, organs, and blood vessels. The CT technologist prepares images for use by physicians in diagnosing medical conditions. CT imaging can also be used with biopsies, treatment planning, or interventional procedures. The CT technologist is responsible for imaging, patient care, equipment operation, and safety for both patients and personnel.

Salary Information:

2013 National Base Annual Compensation (Mean): \$63,545
2013 Tennessee Full Time Compensation (Mean): \$54,901

Career and salary information taken from http://www.asrt.org/docs/default-source/research/13_wagesalarysurvey.pdf?sfvrsn=2.

How long is the certificate?

Students enrolled in the Computed Tomography (CT) Technical Certificate will be full-time, 16 semester credit hours, for one semester. The certificate includes online didactic courses and clinical requirements completed at a variety of clinical affiliates. Clinical assignments are made through agreements between Columbia State, the proposed affiliate, and the individual student.

What does the certificate provide?

- Online didactic instruction and clinical competency development.
- Supervised practical experience in approved clinical facilities.
- Clinical procedure volume and variety which meets/exceeds American Registry of Radiologic Technologists (ARRT) exam eligibility requirements.
- Life-long learning experiences applicable to ARRT continuing education requirements for primary discipline renewal.

www.columbiastate.edu/radiologic-technology

Opportunities

Columbia State's Computed Tomography certificate prepares the post-graduate registered technologist to use specialized equipment to visualize cross-sectional anatomical structures and aid physicians in the demonstration of pathologies and disease processes. The certificate is a specialty for ARRT registered radiographers, Nuclear Medicine Technology Certification Board (NMTCB) nuclear medicine technologists or radiation therapists. Academic and clinical studies prepare technologists to provide patient care and perform studies utilizing imaging equipment, professional communication and quality assurance in scheduled and emergency procedures. Completers may be eligible to sit for the ARRT post-primary certification exam in Computed Tomography. Examples of places CT Technologists may find employment include trauma centers, hospitals, clinics, urgent care centers, mobile imaging services, commercial sales or applications.

COMPUTED TOMOGRAPHY

Technical Certificate

COMPUTED TOMOGRAPHY

Technical Certificate (Designed for the student who does not intend to transfer into a baccalaureate degree program.)

Admission Process

- Applicants must meet all college general requirements for admission as a degree-seeking student as stated in the catalog.
- In addition to completing the application process for admission to Columbia State, students seeking admission to the Computed Tomography Certificate must also submit the Computed Tomography Certificate application by July 1. Applications will be accepted between April 15 and July 1 annually. Applications received after July 1 may be considered if space remains in the class.
- Applicants must be graduates of an accredited Radiologic Technology or Nuclear Medicine program and eligible for or certified/registered by the ARRT or NMTCB. **Transcripts and copies of certification are required.**
- Admission to the program is not guaranteed. Class size is limited. The class will be filled with candidates on a first qualified (all requirements completed), first admitted basis.

The following requirements must be prior to starting the program of study:

- Evidence of good health by returning a completed Physical Examination form. Required forms will be provided to students upon the offer of a seat in the class.
- Students must provide a current negative 2-step TB skin test and/or chest x-ray
- Evidence of Immunizations/Immunity for:
 - Rubella (positive titer)
 - Rubeola (positive titer)
 - Varicella zoster (chicken pox) (documentation of two doses OR positive titer)
 - Completed Hepatitis B Vaccine series or titer
 - Tetanus/diphtheria booster within the past ten years
- Current Basic Cardiac Life Support (BCLS) for the healthcare professional
- Malpractice insurance is required for the clinical component. A group policy is available. The fee for the required group policy is assessed as part of tuition/fees.
- Criminal Background check clearance by clinical site.
- A negative 10-panel drug screen is required

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Advanced Standing

Radiologic Technologists credentialed by the ARRT who have independently performed whole-body computed tomography an equivalent of one year full-time within the past three years may qualify for advanced standing for the clinical education component. Competence in the performance of computed tomography of the head, neck, spine, chest, abdomen, pelvis and musculoskeletal system must be documented.

Required Courses

RAD 210	Computed Tomography Patient Management	4 hours
RAD 220	Computed Tomography Physics	4 hours
RAD 230	Computed Tomography Clinic	8 hours

Requirements for Certificate include:

- Minimum of 16 semester credit hours
- At least 50% of total program credits earned in residence at Columbia State
- Cumulative GPA must be at least 2.0*

*This includes all classes taken even those not required for the certificate.

For more information contact:

radtech@columbiastate.edu

or

Health Sciences Division office at 931.540.2600
or 931.540.2599

or

www.columbiastate.edu/radiologic-technology

Program and Career Description:



The Emergency Medical Technician-Basic (EMT) is an entry-level Emergency Medical Technician. The EMT renders life support to patients at the scene of injuries or illnesses and prepares these patients for transport to the hospital.

The Advanced Emergency Medical Technician (AEMT) renders basic and advanced life support to patients at the scene of their injury or illness and continues this treatment while transporting these patients to the hospital.

Paramedics (EMSP) are health care professionals trained in the advanced skills needed for rendering care to the critically ill or injured patient in the pre-hospital, industry or emergency room setting. Paramedics perform all of the procedures described above for EMTs and AEMTs plus give oral or intravenous medications, read EKGs (electrocardiograms), do endotracheal intubations, and use additional complex equipment.

EMERGENCY MEDICAL SERVICES (EMS) BASIC - ADVANCED - PARAMEDIC

Licensure Eligibility and Technical Certificates

How long is the program?

Emergency Medical Technician-Basic (EMT-B) Technical Certificate (one-semester, Fall, Spring or Summer)

Advanced Emergency Medical Technician (AEMT) Technical Certificate (one-semester, Fall or Spring)

Paramedic (EMSP) Technical Certificate (12-months/three semesters, Fall start annually)

The certificates must be completed sequentially, each is a pre-requisite to the next level.

What does the program provide?

- Challenging academic courses facilitated by EMS professionals,
- Extensive clinical rotations in numerous acute care facilities, ambulance services, and fire stations across middle Tennessee,
- Opportunities to attain knowledge and skills necessary for licensure and career success,
- Support and encouragement from both faculty and fellow cohort members.

How is the job market?

No accurate national data exists which separates salaries for various levels of EMS credentials. Reported base salaries do not include overtime and extra shifts commonly worked. The best information regarding salaries may be obtained by contacting EMS providers in the desired Emergency Medical Services area and inquiring about entry level salaries. Additional information about education requirements and preferred work styles may be obtained from www.bls.gov.

www.columbiastate.edu/emt-paramedic

Opportunities

Upon successful completion of the EMT-Basic technical certificate, candidates are eligible to sit for the National Registry's written and practical examinations. Upon successful completion of examinations and other licensure requirements, the student will be eligible for the State of Tennessee EMT license or may advance into the AEMT certificate.

Upon successful completion of the AEMT technical certificate, and successful completion of examinations and other licensure requirements, the student will be eligible for the State of Tennessee AEMT license and may advance into the Paramedic technical certificate.

The Paramedic Technical Certificate is in compliance with the Common Course Curriculum for Emergency Medical Services: Paramedic (EMSP) as delivered by Tennessee Board of Regents community colleges. Upon successful completion of the Paramedic curriculum, candidates are eligible to sit for the examinations for National Registry Certification and Tennessee Paramedic licensure. Paramedic completers also have the option to complete additional course work and earn an Associate of Applied Science (AAS) in Health Sciences.

EMERGENCY MEDICAL SERVICES (EMS) BASIC - ADVANCED - PARAMEDIC

(Technical Certificates are designed for the student who does not intend to transfer into a baccalaureate degree program.)

Those who wish to advance in Emergency Medical Services careers should have a long term plan to complete all three phases in sequence: Emergency Medical Technician (EMT-B), Advanced Medical Technician (AEMT) and Paramedic.

Emergency Medical Technician - Basic (EMT-B)

EMT-B classes are completed in one semester. Class size is limited and is filled on a first to qualify basis. The following requirements must be met in order to enroll in EMT-B classes.

- Complete application for admission to the College by submitting the following to the Admissions office.
 - completed *Application for Admission*
 - official college transcripts
 - high school transcripts or High School Equivalency Diploma-HSE (GED® or HiSET®)
 - proof of immunization with two doses of Measles, Mumps, and Rubella (MMR) and Varicella Zoster (Chicken Pox) vaccines administered on or after the first birthday OR evidence of immunity via Titer.
- Students must place at Competency 1 or higher or have completed requirements for Competency 0 with regard to competencies in reading, writing, and math as determined by ACT sub-scores, the institutional challenge exam/placement process, or acceptable equivalent.
- Must be at least 18 years of age.

To successfully complete the courses/certificates, students must receive clearance from affiliates to participate in clinical education, develop skills, complete objectives, and master required competencies.

- Criminal background checks and drug screens are required by most clinical affiliates.
- A clinical affiliate may choose to deny a student access to participate in clinical rotations at their facility based on the results of a student's background check or drug screen results.
- If a student is denied access to **any** clinical affiliate site, the student will not be allowed to complete the clinical requirements of the program.
- For more information about the background check and drug screening process, you may contact program faculty.

Students confirmed for the class are required to submit documentation of a completed *Physical Examination* form with all required health work. For a checklist of requirements and copies of forms to be submitted, visit www.columbiastate.edu/emt-paramedic/incoming_students. Evidence of personal health insurance is also required. Documentation of all requirements must be submitted before students will be allowed to schedule clinical rotations.

Applicable to EMT-B, AEMT and EMSP Technical Certificates:

Applicants who have been convicted of a crime other than a minor traffic violation may be ineligible for licensure by the State of Tennessee. For more information, contact the State of Tennessee Department of Health Division of EMS at: <http://health.state.tn.us/ems>.

Criminal background checks and routine drug screens are required by several affiliate clinical training sites as a condition of participation in clinical education. Based on the results of the criminal background check and drug screen, an affiliated clinical site may elect not to allow an individual student to participate in clinical at the facility. This could result in inability to successfully complete the requirements of a specific course and program. More information is available from program officials.

Advanced Emergency Medical Technician (AEMT)

Once you have earned your Tennessee EMT license or have recently (within 90 days) graduated from an accredited EMT program and passed the National Registry, you can further your education by enrolling in the Advanced EMT (AEMT) program. AEMT classes are completed in one semester. Class size is limited and is filled on a first to qualify basis. The following requirements must be met in order to enroll in AEMT classes.

- Applicants must meet the general requirements for admission to the College and apply for admission as stated in the College catalog.
- Students must place at Competency 1 or higher or have completed requirements for Competency 0 with regard to competencies in reading, writing, and math as determined by ACT sub-scores, the institutional challenge exam/placement process, or acceptable equivalent.
- Must be at least 18 years of age.
- Must be currently licensed as an Emergency Medical Technician in the State of Tennessee or have successfully completed an EMT education program within 90 days of beginning the AEMT program and have successfully completed a Tennessee EMS Board approved EMT competency written and practical examination.
- EMTs who have shown competency in basic knowledge and skills through completion of Board approved written and practical examination and wish to progress to AEMT training without obtaining an EMT license shall submit evidence of good moral character (two letters of reference). Such evidence shall attest to the EMT's good moral character and be two recent (within the preceding 12 months) original letters from medical professionals attesting to the applicant's personal character. Preferably, one letter should be from current employer and the second letter should be a character reference. In the situation of unemployment, two character letters may be submitted. Family references will not be accepted.
- Meet other Admission requirements as stipulated in the Rules of the Tennessee Department of Health, Bureau of Health Licensure and Regulation, Office of Emergency Medical Services.

Once confirmed for AEMT courses, students are required to submit documentation of the following entry requirements. If the documentation is not completed prior to the first day of classes, students will not be allowed in the clinical setting.

- Completed *Physical Examination* form (the form will be provided by the program director).
- Evidence of a current Basic Cardiac Life Support (BCLS) certification (must include two-person CPR) for the health care professional.
- Evidence of personal health insurance coverage.
- All necessary health records required by clinical affiliates. (Check list provided/available online. See list of vaccinations/immunity requirements under EMT-B).
- Criminal background check and drug screen requirements for clinical affiliate access apply. A student denied clinical access is unable to complete course objectives.

EMERGENCY MEDICAL SERVICES (EMS) BASIC - ADVANCED - PARAMEDIC

(Technical Certificates are designed for the student who does not intend to transfer into a baccalaureate degree program.)

Paramedic (EMSP)

Once you've spent some time in the field as an AEMT, you may want to further your education to the third and most coveted tier in EMS, Paramedic.

The Columbia State Community College Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs [CAAHEP] upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Profession [CoAEMSP].

CAAHEP
1361 Park Street
Clearwater, FL 33756
727.210.2350

Paramedic is a health care professional trained in the advanced skills needed for rendering care to the critically ill or injured patient in the pre-hospital, industry or emergency room settings.

Paramedic curriculum is designed to enhance the basic and interpersonal skills obtained through the Emergency Medical Technician - Basic (EMT) and Advanced Emergency Medical Technician (AEMT) licenses. The program provides the scientific knowledge and advanced technical skills needed to recognize, assess and manage medical and/or trauma emergencies in the adult and pediatric patient, as well as obstetrical emergencies under the direction of a physician. Graduates of the program are eligible to take the examinations for the National Registry Certification and Tennessee Paramedic licensure.

The program is 12 months in length. All applicants must be licensed in Tennessee as an AEMT or eligible for state license prior to acceptance into the program. If eligible for licensure, the AEMT license *must* be obtained prior to starting the program.

Admission Requirements

- Due to enrollment limitations, and the Tennessee Emergency Medical Services (EMS) regulations 1200-12-1-.13 governing admission requirements, applications are screened using established selection criteria as outlined below.
- In compliance with the State of Tennessee EMS Regulation 1200-12-1-.13 and the Americans with Disabilities Act, all applicants and admitted students must, with reasonable accommodation, be able to:
 - lift a minimum of 125 lbs.
 - visually assess patients in the work environment to include detecting auditory and color changes, as well as unusual odors
 - communicate both verbally and in writing using the English language
 - make appropriate judgments in emergency situations.
 - demonstrate emotional stability.
 - demonstrate psychological health in day-to-day interactions with patients, their family members and other personnel.
- Applicants must have demonstrated basic reading, writing, and math competencies as defined in the Admission Process below.
- Once admitted, students are required to submit documentation of the following entry requirements by August 1. If the documentation is not completed prior to the first day of fall classes, students will not be allowed in the clinical setting.
 - Completed *Physical Examination* form (the form will be provided by the program director)
 - Evidence of a current Basic Cardiac Life Support (BCLS) certification (must include two-person CPR) for the health care professional.
 - Evidence of personal health insurance coverage.
 - All necessary health records required by clinical affiliates. (Check list provided/available online. See list of vaccinations/immunity requirements under EMT-B.)
 - Criminal background check and drug screen requirements for clinical affiliate access apply. A student denied clinical access is unable to complete course objectives.

Admission Process

- Applicants must meet the general requirements for admission to the College and apply for admission as stated in the College catalog.
- Students must place at Competency 1 or higher or have completed requirements for Competency 0 with regard to competencies in reading, writing, and math as determined by ACT sub-scores, the institutional challenge exam/placement process, or acceptable equivalent.
- All applicants must submit a completed application to the EMS department between January 1 and March 31.
- A copy of current AEMT license.
- Applicants must submit two letters of recommendation. One letter should be from the current employer. The second letter should be a character reference. Two letters of character reference may be used if currently unemployed.
- Prior to admission, all applicants will take an AEMT Entrance examination.
- Applicants will be interviewed by the EMS Review Panel.
- Admission decisions will be made by June 1. Admitted students will begin the program in the fall semester.

EMERGENCY MEDICAL SERVICES (EMS) BASIC - ADVANCED - PARAMEDIC

Selection Criteria

Applicants must obtain an overall average of 2.5 out of 5 points in the following areas of the application process: Advanced Emergency Medical Technician entrance examination, math test, and oral interview to be eligible for admission into the Paramedic Program.

- AEMT entrance examination will be evaluated as follows:

96 - 100	=	5 points
92 - 95	=	4 points
88 - 91	=	3 points
84 - 87	=	2 points
80 - 83	=	1 point
Below 80	=	0 points
- Oral Interviews: Each member of the selection committee will evaluate the applicant in the areas of interpersonal skills, knowledge, professional characteristics and experience. Each member will score the applicant overall using a scale of 1-5 points. The scores from each member will then be averaged to obtain an interview score.

Retention Requirements

After admission to the program, to remain eligible for continuation, a student must earn a grade of "C" or better in all EMSP level courses.

Graduation Requirements

A technical certificate of achievement from Columbia State will be awarded to each student who completes the course requirements of the Paramedic Program with a minimum of a 2.0 cumulative grade point average.

Readmission Requirements

Readmission to the Paramedic Program after dismissal is not guaranteed, regardless of the reason for dismissal. A student who wishes to apply for readmission must do so in writing to the program director at least 90 days prior to the desired readmission date. Readmission decisions will be made on an individual basis. An interview with the program director is required before readmission. Regardless of the reason for dismissal, it is the sole responsibility of the student to request readmission in writing to the program director. Students who have been unsuccessful in completing the program after two attempts, will not be eligible for readmission.

Health Sciences A.A.S. Degree

EMS professionals who have successfully completed the Paramedic Technical certificate have the opportunity to earn an Associate of Applied Science in Health Sciences (See the A.A.S. Health Sciences flyer for detailed information) by completing the following additional coursework:

Communications Requirement
ENGL 1010

Humanities/Fine Arts (Take one course)
ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Mathematics (Take one course)
MATH 1010, 1130, 1530, 1630, 1710, 1720, 1730, 1830, 1910

Natural Science Requirement
BIOL 2010, 2020

Social/Behavioral Sciences (Take one course)
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 210
SOC 1010, 1020, 2010

Health Sciences Elective (Take one course)
HSC 291, 292, 293

Computer Requirement (Take one course)
INFS 1010
IST 1500, 1750, 2090, 2400, 2630, 2730, 2750, 2800, 2810, 2850, 2930, 2950

Electives (4-6 credit hours)

EMERGENCY MEDICAL SERVICES (EMS) CURRICULUM

Some students may be required to take additional Learning Support courses prior to enrolling in EMS classes depending upon competency placement in reading, writing, and math.

Class Information for EMT and AEMT certificates:

- Classes are offered on an intense 15 week schedule (10 weeks in summer semester)
- Students are also required to complete 96 hours of clinical rotations during their enrollment
- Students are admitted on a first qualified, first admitted basis
- Students must contact program faculty directly to register for classes

Emergency Medical Technician - Basic (EMT) Technical Certificate

Required Courses

EMSB 1601	EMT Medical Emergencies and EMS Operations	6
EMSB 1602	EMT Trauma and Medical Emergencies	6
EMSB 1101	EMT Medical Skills Lab	1
EMSB 1102	EMT Trauma and Medical Skills Lab	1
EMSB 1111	EMT Clinical	1
EMSB 1112	EMT Field Internship	1
Semester Credit Hour Total		16

Upon successful completion, the candidate is eligible to receive a Technical Certificate and challenge the National Registry exam to obtain National Certification as an EMT and Tennessee State licensure as an EMT or may advance into the AEMT Technical Certificate.

Advanced Emergency Medical Technician (AEMT) Technical Certificate

Prerequisite: Applicants must be currently licensed as an Emergency Medical Technician in the State of Tennessee or have successfully completed an EMT education program within 120 days of beginning the AEMT program and have successfully completed a Tennessee EMS Board approved EMT competency written and practical examination.

Required Courses

EMSA 1501	Advanced EMT Medical Emergencies	5
EMSA 1502	Advanced EMT Trauma and Medical Emergencies	5
EMSA 1201	Advanced EMT Medical Skills Lab	2
EMSA 1202	Advanced EMT Trauma and Medical Skills Lab	2
EMSA 1111	Advanced EMT Clinical	1
EMSA 1112	Advanced EMT Field Internship	1
Semester Credit Hour Total		16

Upon successful completion of the AEMT technical certificate, candidates are eligible to sit for the National Registry's written and practical examinations. Upon successful completion of examinations and other licensure requirements, the student will be eligible for the State of Tennessee AEMT license.

Requirements for the EMT and AEMT Technical Certificates include:

- Total certificate hours must be at least 16
- earning 50% of total program credits in residence at Columbia State.
- Cumulative GPA must be at least 2.0*
- *This includes all classes taken even those not required for this certificate.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

For more information about our graduation rates, the median debt of students who completed the program, and gainful employment, and other important information, please visit our web site at: www.columbiastate.edu/emt-paramedic.

Paramedic Technical Certificate

Some students may be required to take additional Learning Support courses prior to enrolling in EMS classes depending upon competency placement in reading, writing, and math.

Prerequisite: Applicants must be licensed in Tennessee as an AEMT or eligible for state Licensure prior to acceptance in the program.

Semester I

EMSP 1801	Fundamentals of Paramedic I	8
EMSP 1401	Paramedic Skills Lab I	4
EMSP 1311	Paramedic Clinical I	3
Semester Credit Hour Total		15

Semester II

EMSP 2802	Fundamentals of Paramedic II	8
EMSP 2402	Paramedic Skills Lab II	4
EMSP 2412	Paramedic Clinical II	4
Semester Credit Hour Total		16

Semester III

EMSP 2403	Paramedic Capstone	4
EMSP 2303	Paramedic Practicum	3
EMSP 2513	Paramedic Field Internship	5
Semester Credit Hour Total		12

Total credit hours 43

Requirements for the Paramedic Technical Certificate include:

- Total certificate hours must be at least 43
- earning 50% of total program credits in residence at Columbia State.
- Cumulative GPA must be at least 2.0*
- *This includes all classes taken even those not required for this certificate.

Those who plan to progress in EMS are encouraged to see program officials about degree advancement options.

For information regarding EMS certificates or degree options check our website:
www.columbiastate.edu/emt-paramedic

For more information on EMT and AEMT Technical Certificates contact:
Eric McCullough at
emccullough1@columbiastate.edu or
931.540.2792 or 931.626.4855

For more information on the Paramedic Technical Certificate contact:
Dr. David Cauthen at
dcauthen1@columbiastate.edu or
931.540.2686 or 931.626.3883

Health Sciences Division office at
931.540.2600 or 931.540.2599

Program and Career Description:



Photo taken by Preston Phillips

The Film Crew Technology Program (FCT) is especially designed for individuals who want to enter the motion-picture business as "below-the-line" crew (the technicians that perform the majority of work on a motion-picture production). The FCT Program was started in 2008 as part of the Film Incentive plan for the State of Tennessee. The curriculum is constantly influenced by the Director of the FCT Program and the FCT Board of Directors.

This certificate is designed for the student who does not intend to transfer into a baccalaureate degree program.

Career	Beginning Salary	Experienced Salary
Audio & Video Equipment Technician	\$19.57 per hour	\$ 22.46 per hour

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

FILM CREW TECHNOLOGY

Technical Certificate

The Film Crew Technology program trains students in motion-picture lighting, grip, art department, HD cinematography, Digital Information Technician, sound and post-production (editing). For students wanting to enter the motion-picture industry or transfer to a four-year film program this program is extremely advantageous. The FCT program utilizes the latest technology and techniques commonly used in the professional motion-picture industry and is the only program in the State of Tennessee with professional working Grip/Electric production vehicle.

The program begins every August and is currently limited to 16 students per year. Please see the Film Crew Program Director for Advising and scheduling of classes.

FILM CREW TECHNOLOGY

Technical Certificate (Designed for the student who does not intend to transfer into a baccalaureate degree program.)

Admission Requirements

Program applicants are selected once a year for Fall Semester start. Students interested in applying to the Film Crew Technology program should follow the procedures listed below:

1. All applicants must meet the general requirements to the College and apply for admissions as stated in the College catalog.
2. Complete a Request for Admission to Film Crew Technology Program form before the beginning of the semester in which the student plans to enroll in the program.
 - a. Forms are available upon request from the Program Director. Please email rridley1@columbiastate.edu or call (615) 790-4410.
3. Program Requirements:
 - a. Prior to admission in the program, students must be able to visually assess colors and be able to determine the difference between red, blue, green and white.
 - b. Upon completion of the program, students must be able to meet the following physical requirements that are standard to crew positions in the motion picture industry:
 1. Lift up to 80 lbs.
 2. Climb a ladder of at least 20 feet.
 3. Be able to stand for minimum of 2 hours.

If you have completed Regents Online Degree Program (RODP) courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

For more information about our graduation rates, the median debt of students who completed the program, and other important information please visit our Web site at: <http://www.columbiastate.edu/IR/Gainful%20Employment/FCT/gedt.html>.

Course Sequence

Fall Semester

___ THEA 1400	Stagecraft	3
___ FCT 1010	Set Equipment and Machinery	3
___ FCT 1012	Intro Entertainment Tech	2
___ FCT 1013	Motion Picture Safety and Etiquette	3
___ FCT 1211	Fundamentals Electricity	2
___ FCT 2010	Set Construction or	
___ FCT 2040	Advanced Electric	3

Spring Semester

___ FCT 1020	Basic Grip	3
___ FCT 1210	Fundamentals of Lighting Tech	3
___ FCT 2020	Advanced Grip	3
___ FCT 2025	Motion Picture Sound Recording	2
___ FCT 2030	Film and Video Lighting	3

Summer Semester

___ FCT 2050	Film and Production Lab	3
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TOTAL CREDIT HOURS 33

Requirements for Certificates include:

- Total certificate hours must be at least 33
- earning 50% of total program credits in residence at Columbia State
- Cumulative GPA must be at least 2.0*

*This included all classes taken even those not required for the certificate.

For more information contact:

**Read Ridley at rridley1@columbiastate.edu or
615.790.4410
or
Williamson County Center
at 615.790.4400**

Course Descriptions

Explanation of Code following each course description:	
(C)	This course is part of the Common Course Curriculum Library as delivered by TBR community colleges. The course is not designed for transfer except to institutions offering similar level Associate of Applied Sciences (A.A.S.) or certificate programs.
(NT)	This course is not designed to transfer.
(T)	This course is part of the Tennessee Transfer Pathway for all public colleges.
(TE)	This course is a transfer course that may apply as an elective by a receiving institution.

Accounting

ACCT 1010 Principles of Accounting I (3)
This course includes a study of basic accounting principles, accrual accounting, the accounting cycle, equipment accounting, financial statements for sole proprietors, and an introduction to corporations. (T)

ACCT 1020 Principles of Accounting II (3)
An expansion of ACCT 1010 with an emphasis on corporations. Topics include corporate accounting, bonds, statement of cash flows, managerial and cost accounting, financial statement analysis, and capital investment analysis. (Prerequisite: ACCT 1010.) (T)

Advanced Industrial Integrated Technology

AIT 1001 Basic Electricity (2)
Introduces electrical power systems used in industry. Provides introductory theory and application of DC/AC circuits, control transformers, and operation of DC power supplies. (Prerequisite: permission of instructor.) Lecture/Lab (NT)

AIT 1002 Power Development (1)
Introduces electrical power systems used in industrial settings, including basic theory and application of DC generators, alternators, and electric motors. (Prerequisite: permission of instructor.) Lecture/Lab (NT)

AIT 1003 Hydraulic/Pneumatic Fundamentals (1)
Introduces basic theory and application of hydraulic and pneumatic industrial power systems. (Prerequisite: permission of instructor.) Lecture/Lab (NT)

AIT 1004 Intro to Welding (1)
Through the methods of lecture and labs, the student will be introduced to electric and gas welding and cutting. The student will be provided with the fundamental principles of joining ferrous and non-ferrous metals, welding and cutting processes, equipment operation, and safety procedures. The student will develop the skills to safely use oxy-acetylene cutting equipment and the skills to use the Shielded Metal Arc Welding (SMAW) process in all positions. Training will also be included in plasma cutting and an introduction to shop fabrication equipment. (NT)

AIT 1101 Electrical Power Distribution (1)
Provides instruction in the use of electrical power as it applies in industry. Includes AC/DC circuit analysis, AC power generation and three-phase distribution systems, and transformers. (Prerequisite: AIT 1001 or permission of instructor.) Lecture/Lab (NT)

AIT 1102 Fluid Power Distribution (2)
Provides instruction in the use of hydraulic and pneumatic power as it applies to industry. Includes basic principles of pressure and flow, basic hydraulic/pneumatic circuits including pumps, valves, cylinders, and motors. (Prerequisite: AIT 1003.) Lecture/Lab (NT)

AIT 1201 Electrical Installation (1)
Focuses on the installation of electrical industrial systems, including print reading, wiring/box selection component installation, raceways and conduit, control wiring, and wiring techniques. (Prerequisite: AIT 1001.) Lecture/Lab (NT)

AIT 1202 Piping, Pneumatic, and Installation (1)
Focuses on the installation of pneumatic industrial systems, including interpretation of drawings and diagrams, fabrication of pipe and pipe fittings, pneumatic supply lines, piping safety, and pipe installation for pneumatic systems. (Prerequisite: AIT 1003.) Lecture/Lab (NT)

AIT 1203 Mechanical Installation (1)
Includes motor and machine mounting, speed, torque, power measurement, and various lifting and rigging techniques. (Prerequisite: AIT 1001.) Lecture/Lab (NT)

AIT 1301 Principles of Instrumentation (2)
Introduces measurement and instrumentation concepts and applications by examining the four main components of instrumentation: temperature, pressure, flow, and level. (Prerequisite: AIT 1001) Lecture/Lab (NT)

AIT 1302 Integrated Process Control (2)
Covers measurement and instrumentation concepts and applications and introduces the concept of loop controls and the proper calibration of loops. Examines the importance of PID controllers in a control loop. (Prerequisite: AIT 1001.) Lecture/Lab (NT)

AIT 1401 Basic Electrical Controls (2)
Provides instruction in the integrated application of basic electrical controls including electrical motor controls with starting, reversing, and stopping devices. (Prerequisite: AIT 1001.) Lecture/Lab (NT)

AIT 1402 Basic Pneumatic Controls (1)
Introduces the student to pneumatic speed control circuits. Uses air pressure regulators and flow controls to obtain cylinder speeds. (Prerequisite: AIT 1003.) Lecture/Lab (NT)

AIT 1403 Basic Hydraulic Controls (1)
Provides instruction in hydraulic speed and pressure control; includes flow control valves, metering circuits, pressure reducing valves, and sequence valves. (Prerequisite: AIT 1003 or permission from instructor.) Lecture/Lab (NT)

AIT 1501 Intermediate Electrical Controls (2)
Provides instruction in the integrated application of advanced industrial controls for electrical systems. Emphasizes variable frequency drives, proximity sensors, SCR speed controls. (Prerequisite: AIT 1401 or permission from instructor.) Lecture/Lab (NT)

AIT 1502 Intermediate Pneumatic Controls (1)
Provides instruction in the integrated application of advanced industrial controls for pneumatic systems. Emphasizes pneumatic logic circuits. (Prerequisite: AIT 1402 or permission from instructor.) Lecture/Lab (NT)

AIT 1503 Intermediate Hydraulic Controls (1)
Provides instruction in the integrated application of advanced industrial controls for hydraulic circuits. Emphasizes hydraulic synchronization circuits and multi-pressure circuits. (Prerequisite: 1403 or permission from instructor.) Lecture/Lab (NT)

AIT 1600 Workplace Safety (1)
Focuses on industrial safety practices. Includes personal safety and equipment, hazard recognition, and safeguards. Covers electrical safety procedures and hazardous materials. Emphasizes OSHA rules and regulations. Lecture (NT)

AIT 2001 Integrated Process Management (2)
Emphasizes project team organization. Introduces the following concepts: cycle time, production time, first pass yield, and barrier identification. Lecture/Lab (NT)

AIT 2004 CNC Programming (2)
This course introduces CNC machining. The student will use safe practices operating the CNC machines. The student will learn CNC programming. The student will be able to identify parameters for material selection and use basic setup techniques for machining projects. Students should be able to explain operator safety, machine protection, data input, program preparation, and program storage. Students will complete a project on a CNC mill. (NT)

AIT 2101 Predictive/Preventive Maintenance and Lubrication (1)
Focuses on maintenance techniques and procedures used with advanced and highly technical industrial machinery. Lecture/Lab (NT)

AIT 2102 Power Transmission Systems (1)
Focuses on maintenance techniques and procedures used with advanced and highly technical industrial machinery including v-belt and shaft drives, couplings, chain drives, bearings and seals, brakes and clutches. Lecture/Lab (NT)

AIT 2103 Advanced Mechanical (2)
Focuses on troubleshooting techniques necessary for advanced and highly technical industrial machinery. (Prerequisite: AIT 1203.) Lecture/Lab (NT)

AIT 2201 Programmable Logic Controls (2)
Underlying principles and applications of programmable logic controllers including installation, logic fundamentals, and numbering systems; basic programming of inputs, outputs, timers, and counters comparators, basic data manipulation, and safety circuits of industrial PLCs. (Prerequisite: AIT 1401 or permission from instructor.) Lecture (NT)

AIT 2202 Programmable Logic Controls Lab (2)
Provides practical applications of programmable logic controllers including installation, logic fundamentals and numbering systems; basic programming of inputs, outputs, timers, and counters, comparators, basic data manipulation, and safety circuits of industrial PLCs. (Corequisite: AIT 2201.) Lab (NT)

AIT 2205 Robot Operations (2)
The course covers the tasks that an operator, technician, engineer or programmer needs to set up and program a FANUC Robotics Handling Tool Software Package. Lecture/Lab (NT)

AIT 2215 Advanced Robotics (2)
This course deals with the advanced applications of robotics in a manufacturing environment. Students will learn the advanced principles of mechanical construction, electronics, sensors, motors and robot programming culminating in an end-of-semester robot project. (Prerequisite: AIT 2205.) (NT)

AIT 2300 Fundamentals of Mechatronic Systems (2)
The class provides students with basic skills and fundamental knowledge of sophisticated automation systems and includes a focus on mechanics, electrical, fluid/pneumatic and computers, and the integration of such to achieve machine movement and control. (NT)

AIT 2310 Advanced Mechatronics (2)
This course provides students with advanced knowledge and skills in the integration of mechanics, electrical, pneumatic, hydraulic, robotics, and computer networking to develop a comprehensive and cohesive production sequence. (Prerequisite: AIT 2300.) (NT)

Agriculture

AGRI 1010 Introduction to Agricultural Business (3)
Scope, importance, and relationship of agribusiness to the general economics as well as practical applications of agribusiness, and an introduction to the theories of agricultural economics. (T)

AGRI 1020 Introduction to Animal Science (4)
A basic study of the anatomy and physiology of farm animals. The fundamentals of feeding, genetics, marketing, animal health, and meat production will be discussed, as well as the scope of the animal industry in today's society. 3 hrs. lecture, 2 hrs. lab. (T)

AGRI 1025 Livestock Management (3)
The management practices involved in the production of swine, beef cattle, and sheep. Topics include crossbreeding, breeding, feeding, dehorning, castration, vaccinating, diseases, internal and external parasite control, marketing and the facilities needed. Students are assigned animals to care for and manage throughout the semester. (Prerequisite: AGRI 1020.) 2 hrs. lecture, 2 hrs. lab. (TE)

AGRI 1030 Introduction to Plant Science (3)
A study of the anatomy and physiology of cultivated plants used in agriculture. The factors affecting plant growth such as insects, weeds, diseases, and fertility will also be included. 2 hrs. lecture, 2 hrs. lab. (T)

AGRI 1040 Introduction to Agricultural Engineering (3)
A general study of the field of agricultural engineering. Areas of study include farm buildings and related structures, fundamentals of electricity, farm power and machinery, and the principles of land measuring and surveying. 2 hrs. lecture, 2 hrs. lab. (TE)

AGRI 1050 Introduction to Soil Science (4)
A study of the properties of soil—its origin, classification, and physical and chemical composition. Lab exercises deal with soil minerals, soil structure, and soil moisture; the effects of liming and fertilizing and their influence on plant growth. 3 hrs. lecture, 2 hrs. lab. (T)

Art

ART 1030 Introduction to the Visual Arts (3)
A course designed to enable students to analyze and criticize their environment through the visual arts. A lecture course, illustrated with slides and videos. (T)

ART 2220 Art Activities and Appreciation (3)
A studio course designed to provide the student with exposure to basic art materials, processes and concepts related to the visual arts. This course is designed to meet the needs of students majoring in elementary education. (TE)

Art History

ARTH 2010 Survey of Art History I (3)
A survey of architecture, painting and sculpture from prehistoric times to the Renaissance. (T)

ARTH 2020 Survey of Art History II (3)
A survey of art events leading up to and including the art of the present. (T)

Art Performance

ARTP 1010 Drawing I (3)
An introduction to the materials and techniques of drawing. 2 hrs. lecture, 4 hrs. studio.(T)

ARTP 1020 Drawing II (3)
Emphasis on drawing as a means of artistic expression.(Prerequisite: ARTP 1010.) 2 hrs. lecture, 4 hrs. studio. (T)

ARTP 1110 Two Dimensional Design (3)
A structured studio course that investigates the two-dimensional design elements of form, line, shape, value, and texture. Studio problems and class critiques are used to encourage professional and self-directed concepts. 2 hrs. lecture, 4 hrs. studio. (T)

ARTP 1120 Three Dimensional Design (3)
An emphasis on color theory, space, and three-dimensional problems. 2 hrs. lecture, 4 hrs. studio. (T)

ARTP 2010 Painting I (3)
An introduction to the techniques, materials and tools used in oil and acrylic polymer painting. (Prerequisites: ARTP 1110.) 2 hrs. lecture, 4 hrs. studio. (TE)

ARTP 2020 Painting II (3)
An emphasis on individual experimentation in oil and acrylic polymer painting. (Prerequisite: ART 2510.) 2 hrs. lecture, 4 hrs. studio. (TE)

ARTP 2610 Photography I (3)
Basic techniques and processes of black and white still photography. Emphasis on artistic composition, exposure, lenses, lighting, films, and indoor and outdoor subject matter. Studio time is available for students. (TE)

ARTP 2620 Digital Photography (3)
An emphasis on digital camera techniques, accessories, and specific problems. Individual projects and assignments will be critiqued. Studio time is available for students. (TE)

ARTP 2630 Introduction to Digital Graphic Arts (3)
An introduction to computer graphics software and techniques. Students will learn fundamental skills in graphic design, digital imaging and illustration using industry standard graphics software. (TE)

ARTP 2632 Digital Graphics II (3)
This course focuses on motion graphics or time-based art. Adobe Flash is the leading software for the creation of online-based, interactive media. In this course you learn the tools and concepts of this program and its many interactive possibilities, including drawing, image, text, animation, sound, and basic action-scripting integration. Also, you can explore the steps in creating Flash productions from start-to-finish, including site map and navigation building, button making, output, optimization, and testing. (TE)

ARTP 2710 Printmaking I (3)
An introduction to the printmaking processes; concentrating on wood cuts, linoleum cuts, monoprints, and collographs. 2 hrs. lecture, 4 hrs. studio.(TE)

ARTP 2720 Printmaking II – Intaglio (3)
An emphasis on metal engraving, dry point, etching, and individual experimentation. (Prerequisite: ART 2710.) 2 hrs. lecture, 4 hrs. studio. (TE)

Astronomy

ASTR 1030 Astronomy (4)
This is a survey course in Astronomy, covering the history of astronomy, the solar system and its formation, the Sun and stars, and galaxies. (Prerequisite: 2 years of high school algebra and satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Math.) 3 hrs. lecture, 3 hrs. lab. (TE)

Biology

BIOL 1030 Introduction to Biology (4)
A survey course in biology. This course provides an introduction to the biological sciences, including the scientific method, structure and function of cells, genetics, diversity of life, and ecology. Primarily designed for non-science majors, whose program of study requires one semester of biological science combined with a semester of chemistry, physics, physical science or astronomy. BIOL 1030 cannot be paired with any other BIOL course to fulfill the natural science general education requirements. Students will receive only elective credit for BIOL 1030 if any other General Education BIOL class is completed. (Corequisite or Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading, Writing, and Math.) 3 hrs. lecture, 2 hrs. lab. (TE)

BIOL 1110 General Biology I (4)
An introductory course emphasizing scientific methodology, principles of cellular biology (structure, function, metabolism, and cellular division), genetics and evolution. (Prerequisite: Satisfactory placement test scores. Corequisite: All required Learning Support Reading, Writing and Math.) 3 hrs. lecture, 2 hrs. lab.(T)

BIOL 1120 General Biology II (4)
A continuation of the study of the structure and function of living organisms and includes the plant and animal kingdoms. Emphasis is placed on tissues, systems, and comparative physiology. Ecology is also included. (Prerequisite: BIOL 1110 and Satisfactory placement test scores. Corequisite: All required Learning Support Reading, Writing and Math.) 3 hrs. lecture, 2 hrs. lab. (T)

BIOL 2010 Human Anatomy and Physiology I (4)
Fundamentals of cellular biology are introduced to the student in preparation for later emphasis on the human integument, skeletal, muscular, and nervous systems. Chemistry, tissues, and special senses are included. (Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading, Writing and Math .) 3 hrs. lecture, 2 hrs. lab. (T)

BIOL 2020 Human Anatomy and Physiology II (4)
A study of the structure and function of the human excretory, reproductive, endocrine, circulatory, lymphatic, digestive, and respiratory systems with final emphasis on the interrelationships of the various systems. Metabolism, development, and immunity are also included. (Prerequisite: BIOL 2010 and satisfactory placement test scores or completion of all Competencies in Learning Support Reading, Writing and Math.) 3 hrs. lecture, 2 hrs. lab. (T)

BIOL 2230 Microbiology (4)
An introductory study of the morphology, physiology, pathogenicity, and control of bacteria. Also included are vertebrate immunology with particular emphasis on the components of the immune system and antigen-antibody interactions. The laboratory emphasizes the isolation and culture of bacteria using quantitative and diagnostic techniques. (Prerequisite: Completion of

one of the following: BIOL 1110, 1120, 2010 or 2020.) 3 hrs. lecture, 2 hrs. lab. (TE)

Business

BUS 2165 Current Topics in Business Management (1)
This course deals with a specific topic of special interest in business management. Course content and credit will be determined by academic departments and announced in the printed course schedule. This course may be repeated for credit only if a different topic is covered. (NT)

BUS 2265 Current Topics in Business Management (2)
This course deals with a specific topic of special interest in business management. Course content and credits will be determined by academic departments and announced in the printed course schedule. This course may be repeated for credit only if a different topic is covered. (NT)

BUS 2365 Current Topics in Business Management (3)
This course deals with a specific topic of special interest in business management. Course content and credits will be determined by academic departments and announced in the printed course schedule. This course may be repeated for credit only if a different topic is covered. (NT)

BUSN 1300 Personal Finance (3)
This course helps students to define and reach personal financial goals. Topics may include: planning, budgeting, taxes, credit, housing, insurance, investing and retirement planning. (C)

BUSN 1305 Introduction to Business (3)
This course provides an introduction to the business environment. Topics may include business ownership and organization, management, marketing, business ethics, accounting, economics, finance, and business careers. (C)

BUSN 1310 Business Communications (3)
This course is a study of the principles, practices, and mechanics of various types of effective written and oral business communications. (C)

BUSN 1320 Business Calculations (3)
This course is a study of the application of mathematics to solve problems related to routine business operations. Topics may include insurance, taxes, consumer credit, retail applications, investments, and introductory statistics. (Prerequisite: INFS 1010 and satisfactory placement test scores or completion of all competencies in Learning Support Math.) (C)

BUSN 1330 Entrepreneurship (3)
This course explores the strategies necessary to start and operate a business. Topics may include development of a business plan and strategies in marketing, management, finance, accounting, customer service, and operations. (C)

BUSN 1350 Sales and Service (3)
This course is an introduction to the fundamentals of customer service and selling. Topics may include developing and conveying a positive attitude, identifying buying motives and customer needs, developing and delivering a sales presentation, customer approaches, sales strategies, and cultivating repeat business through service. (C)

BUSN 1380 Supervisory Management (3)
This course provides for the development of supervisory ability and judgement through a presentation of the principles and techniques of effective supervision. Topics may include functions of a supervisor, communication, motivation, training, and the changing workplace. (NT)

BUSN 2300 Business Ethics (3)
This course introduces basic ethical theories and value systems and applies these perspectives to moral issues, problems, and situations which arise within the business environment. (C)

BUSN 2340 Human Resource Management (3)
This course is a study of principles of human resource management, which may include equal employment law and the recruitment, selection, and development of the human resources. (C)

BUSN 2370 Legal Environment of Business (3)
This is a study of the principles of the American legal system as they relate to the conduct of business in society. (C)

BUSN 2375 Career Success (3)
This course is a study of concepts, traits, and skills needed to be successful in the workplace. Positive self-image, professional image, business etiquette, interpersonal skills, and career plans will be addressed. Interview, resume, and job search skills will also be covered. (C)

BUSN 2380 Principles of Marketing (3)
This course is a study of basic marketing principles and practices, including the selection of target markets and the development of the marketing mix (produce, price, promotion, and place of distribution). (C)

BUSN 2395 Business Applications (3)
This capstone course requires students to apply critical thinking, problem-solving, and communication skills to a real or simulated business environment. (Prerequisite: Sophomore Standing and Permission of Instructor) (C)

Chemistry

CHEM 1110 General Chemistry I (4)
The study of matter, nomenclature of inorganic compounds, stoichiometric calculations, structure of atoms, bonding, the gaseous state, solutions, and nuclear chemistry. (Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading, Writing and Math.) 3 hrs. lecture, 3 hrs. lab. (T)

CHEM 1120 General Chemistry II (4)
The study of chemical equilibrium including ionic equilibria, acids, bases and salts, solubility product principle, redox reactions, electrochemistry, thermochemistry, chemical kinetics, introduction to organic chemistry. Qualitative analysis is presented in laboratory. (Prerequisite: CHEM 1110.) 3 hrs. lecture, 3 hrs. lab. (T)

CHEM 2010 Organic Chemistry I (4)
The study of properties of aliphatic and alicyclic hydrocarbons, stereochemistry alkylhalides, alkenes, alkynes, alcohols, ethers, and benzene. (Course offered Fall only). (Prerequisite: CHEM 1120.) 3 hrs. lecture, 3 hrs. lab. (T)

CHEM 2020 Organic Chemistry II (4)
The study of spectroscopy, aldehydes and ketones, carboxylic acids and their derivatives, condensation reactions, amines, phenols, fats, carbohydrates, amino acids, and proteins. (Course offered in Spring only). (Prerequisite: CHEM 2010.) 3 hrs. lecture, 3 hrs. lab. (T)

Commercial Entertainment

Students must be admitted into the Commercial Entertainment Program before they can register for CEN courses.

CEN 101 Dance Combination (1)
Basic techniques of classical ballet, tap and jazz. Emphasis placed on fundamentals, alignment, integration, terminology, vocabulary, combinations, and style. Course may be repeated for a maximum of four credits. (NT)

CEN 102 Dance Performance and Production Lab (1)
A structured laboratory course giving credit to students for their experiences in the production areas and performance of dance as an art form. The course is fourfold in content, including auditions, rehearsals, performances, and all facets of production. All students in the course are provided the opportunity to be involved in a dance production in the capacities of auditions, performance and/or production each semester. Forty-five laboratory hours per semester. Course may be repeated for a maximum of four credits. (NT)

CEN 107 Ballet Technique (1)
Basic techniques of classical ballet. Emphasis placed on fundamentals of alignment, integration, terminology, and simple ballet movement vocabulary. Course may be repeated for a maximum of four credits. (NT)

CEN 109 Tap Technique (1)
Basic technique of tap dance designed for the performing student. Fundamentals of body placement, terminology, tap combinations, elements of performance quality, and tap dance composition. Course may be repeated for a maximum of four credits. (NT)

CEN 111 Jazz Technique (1)
Introduction to jazz dance through a study of its vocabulary, style, and technique. Course may be repeated for a maximum of four credits. (NT)

CEN 125 Principles and Techniques of Dance Performance (1)
Study of principles and techniques of dance performance through practical application of performing skills. In-depth work in body awareness, development of mental discipline, and understanding the psychological aspects involved in nonverbal communication. Experience in working with a choreographer and performing in both laboratory and concert settings. One hour weekly lecture and movement plus a minimum of sixty clock hours in a movement laboratory. Course may be repeated for a maximum of four credits. (NT)

CEN 135 Commercial Songwriting I (3)
The study and composition of song forms, lyrics, and musical styles, and their application to country, pop, and other trends in commercial music. (Prerequisite: Students expected to sing or play guitar or piano. This course is only open to CEN Department majors or permission of the instructor.) (NT)

CEN 136 Commercial Songwriting II (3)
A continuation of Songwriting I with emphasis on more focused writing of material, advanced songwriting techniques, in-depth song development, and exploration of musical styles and genres. Attention will be given to music publishing, songplugging, and exploring commercial avenues for song placement. (Prerequisite: CEN 135 or permission of the instructor.) (NT)

CEN 200 Audition/Showcase Techniques (2)
A course designed to prepare students for competitive auditions and singer-songwriter showcases. Topics include selection of songs and dances that will best showcase the student's individual talents, resume development, publicity photos, strategies, and job opportunities. Students will participate in auditions or showcases suitable for prospective employers and venues. (Prerequisite: permission of the instructor.) (TE)

CEN 203 Choreography I (1)
Rendering of movement improvisation, compositional elements, music, and production to achieve the total choreographic offering. Lectures and discussions on the creative process leading to the student's selection of thematic material for choreographic exploration and development. (NT)

CEN 204 Choreography II (1)
A continuation of CEN 203 with emphasis on form, content, music costumes and props. The student will develop an original group dance and execute plans for costumes, lighting, and makeup. (Prerequisite: CEN 203) (NT)

CEN 207 Entertainment Business (3)
Survey of the business practices in the entertainment industry as they relate to employees. Topics include implications of different types of employment, making the deal and contracts, issues related to freelancing, self-marketing and working with agents. The course also explores the role of professional organizations, unions, and performing rights organizations and their influence on standard practices in the entertainment industry. Upon completion, students will be able to demonstrate a working vocabulary and knowledge of basic employee practices in the industry as they relate to the various crafts and venues. (TE)

CEN 209 Dance Pedagogy (3)
Principles and methods of the teaching of dance and the management of a dance studio. Teaching methods for diverse ages and skill levels are covered. Management topics include site selection, employee selection and supervision, performance rights organization and customer service. (NT)

CEN 216 Professional Audition (1)
Independent preparation and presentation of a professional audition to include solo vocal, dance and monologue presentations. Student will be responsible for all aspects of the audition. This course serves as a capstone experience for the Commercial Entertainment Program and should be taken in the final semester. (NT)

CEN 217 Dance Studio Practicum (3)
Examination of and experience in a functioning dance school, including teaching, choreographing, auditioning, and counseling students. (Prerequisite: permission of the instructor.) (NT)

CEN 230 Digital Video Editing (3)
The study and practical application of editing music videos using Final Cut Pro for the songwriter, vocalist, and instrumentalist. Students should expect to spend at least two additional hours per week on team-based assignments. (Corequisite: MUS 2350.) (NT)

Communications

COMM 1010 Intro to Mass Communications (3)
General orientation to the field of mass communications. Survey of basic journalism, broadcasting, public relations, advertising, photography, film and recording. (Prerequisite: satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Writing.) (T)

COMM 1020 Media Writing (3)
Theory and practices of writing for print and electronic media according to the techniques, styles, and formats of various media. (Prerequisites: Completion of all Competencies in Learning Support Writing and Reading, and COMM 1010 or permission of the instructor.) (T)

COMM 1030 Introduction to Electronic Media (3)
This course examines the organization, structure, development, function, social aspects and history of new media. Developing and emerging new systems and methods of video and audio communication are studied including contemporary texts, articles, and breaking news regarding new technology, new regulation, new methods, and new uses of these emerging media formats. Emphasis will be placed on Internet, cable, satellite and other formats. (TE)

COMM 1240 Intro to Broadcasting (3)
General orientation to the field of broadcasting, including the structure, function, social and historical aspects of broadcasting. (Course is offered Spring only.) (Prerequisites: COMM 1010 and COMM 1020.) (TE)

COMM 1400 Introduction to Screenwriting (3)
The class will critically review scripts, write scripts and make short films based on student composed scripts. (TE)

COMM 2450 Intro to Public Relations (3)
This course introduces the principles, theories and common practices in the field of public relations. The history and the roles public relations play in our society will be examined. (Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Writing and Reading.) (TE)

Computer Science Programming

CISP 1010 Computer Science I (4)
This course provides an introduction to computer programming in a contemporary high-level language. Both concepts and applications of actual programming in an event-driven. Graphical User Interface environment will be addressed. Emphasis is placed on problem analysis, use of structured programming techniques, data types, variable declaration, functions, and data files. (Prerequisite: 19 Math ACT, or completion of all competencies in Learning Support Math.) (T)

CISP 1020 Computer Science II (4)
This course provides advanced development of concepts and skills introduced in CISP 1010. Attention will be directed to object oriented programming techniques, enhanced programming logic skills, design of effective interfaces for a GUI application in an event-driven environment and use of advanced data file concepts. (Prerequisite: CISP 1010.) (T)

College Success

COLS 101 Columbia State College Success (1)
This is a one-credit-hour elective course designed to assist new college students in transitioning to the Columbia State Campus environment. Learning modules include Success Strategies, Campus Resources/Technology, Career Development, and Campus Involvement. The purpose of the course is to provide information that will maximize students' chances for success while minimizing the time required to achieve their educational goals. (T)

Cooperative Education

COP 201-206 Cooperative Education (1-6)
This course is a practical work experience in an industry or business related to the student's major field of study. Close liaison is maintained between employer and co-op staff to ensure maximum benefit to the student. This course should allow students to explore the field in which they feel their vocational interests lie and determine whether it is suitable for them. This course may be used as a general elective upon advisor's approval. Students

will be required to work a minimum of 60 hours for each credit hour earned. Students may repeat co-op courses to a maximum total of six credit hours. GRADING OF CO-OP COURSES IS ON A PASS/NO PASS BASIS. (Prerequisite: permission of the instructor required.) (NT)

COP 201 Cooperative Education (60 hours minimum) (1)

COP 202 Cooperative Education (120 hours minimum) (2)

COP 203 Cooperative Education (180 hours minimum) (3)

COP 204 Cooperative Education (240 hours minimum) (4)

COP 205 Cooperative Education (300 hours minimum) (5)

COP 206 Cooperative Education (360 hours minimum) (6)

Criminal Justice Technology

CRMJ 1010 Introduction to Criminal Justice (3)
This course objective is for a student to examine policing, corrections, and the American court system, amongst other topics. The student gains an understanding of the complexity of the criminal justice processes, its lack of central coordination and, most significantly, how justice is administered in American Society. (T)

CRMJ 1020 Introduction to the Legal Process (3)
This course reviews basic laws governing the maintenance of a democratic society and how criminal and constitutional laws meet the challenge of American Society. (T)

CRMJ 1322 Police Administration and Organization (3)
A study of the principles of personnel management functions and organization of the police agency. Topics include policy procedures, evaluation of the research, planning, and development processes, and operational duties and commands. (C)

CRMJ 1325 Issues and Ethics in Criminal Justice (3)
This course is a review and in-depth examination of current issues, trends, and ethical considerations concerning the criminal justice process with emphasis on problems impacting local criminal justice agencies and personnel. (C)

CRMJ 1330 Criminal Evidence and Procedures (3)
This course will be an introduction to the American Criminal Justice System with an emphasis on handling evidence and suspects, the US Constitution, individual rights, criminal court procedures, the Exclusionary Rule, probable cause, arrest procedures, search warrants, stop and frisks, admissions, interrogations, and confessions, and the legal requirements to be followed in processing criminal evidence and defendants. (C)

CRMJ 1340 Criminal Investigation (3)
This course is an examination of the methods of interviews, interrogation, admissions, confessions, written statements, criminal case report writing, and evidence evaluation used in criminal investigations. (C)

CRMJ 1355 Understanding Terrorism (3)
This course will introduce students to the study of terrorism, and will provide a basic knowledge of the history and politics of terrorism as well as explore contemporary terrorism events. The course will review major theories and organization in the field of domestic and international terrorism. (C)

CRMJ 1360 Introduction to Crime Scene Investigation (3)
This course is designed to train and prepare participants to become skilled in the recognition, discovery, processing, preservation, collection, and transmission of physical evidence found at the scene of the crime. The course includes photography, sketching, fingerprinting, marking, chain of custody, collection methods, sources of physical evidence, and transmission to the laboratory. (C)

CRMJ 2010 Introduction to Law Enforcement (3)
An overview of the American Police, including the philosophy and historical evolution behind the police force. Emphasis is on policing procedures; crime prevention and control; functions of law enforcement; problems and needs facing the police; and contemporary issues. (T)

CRMJ 2020 Introduction to Corrections (3)
An overview of corrections, including the philosophy and historical evolution

behind the development of corrections. Emphasis is on corrections procedures, current prison conditions and operations, problems and needs facing corrections, and related contemporary issues. (T)

CRMJ 2191 - 2391 Criminal Justice Practicum (1-3)

This course requires students to apply critical thinking, problem-solving, and communication skills required in a real or simulated environment. It may be used by an institution for a field placement, a service learning project, a co-op experience, or a capstone course. (C)

CRMJ 2191 Criminal Justice Practicum (1)
CRMJ 2291 Criminal Justice Practicum (2)
CRMJ 2391 Criminal Justice Practicum (3)

CRMJ 2301 Computer Forensics (3)

Computer Forensics introduces the student to the background, history and terminology of computer crime. Students study the evolution of the internet crime, criminal behavior and computer crime effects on law enforcement, such as technological change and resource allocation. The student is given the terminology and procedures for conducting forensic analysis and processing computer evidence. (C)

CRMJ 2305 Introduction to Cyber Security for Criminal Justice (3)

This is an introductory course designed to familiarize students with the concepts of cyber security. The course will prepare students for succeeding courses in cyber security and forensics. (NT)

CRMJ 2311 Juvenile Justice (3)

This course is an overview of the extent, causes, nature, and control of juvenile delinquency from a sociological perspective. Various theories of delinquency causation, the role of social institutions, the major components of the juvenile justice system and traditional juvenile corrections will be presented. (C)

CRMJ 2312 Criminology (3)

This course is a systematic study of crime, criminals and criminal justice system. It explores the fundamental elements of criminology through a study of the causation and criminal behavior theories and examines the relevant activities of the criminal justice system. (Prerequisite: CRMJ 1010). (C)

CRMJ 2340 Investigative Report Writing (3)

This course focuses on preparing analytical investigative reports and explores techniques of organizing, structuring, and investigating the report to comply with proper guidelines. (Prerequisite: ENGL 1010). (C)

CRMJ 2381 Special Topics in Criminal Justice (3)

This course provides an in-depth study of significant, relevant, and timely trends and issues in the field of Criminal Justice. (C)

Early Childhood Education

ECED 1010 Introduction to Early Childhood Education (2)

An Introduction to the early childhood profession including an emphasis on professionalism and developmentally appropriate practice. Includes an overview of history of early education, theoretical program models, different types of early childhood programs, community resources, professional organizations, and contemporary trends and issues in programs for children ages birth to eight. Field experiences required. (TE)

ECED 2310 Safe, Healthy, Learning Environments (3)

A study of the basic principles and practices of safety, health and nutrition as they relate to the early childhood setting, home, and community for children ages birth to eight. Also included is a study of principles of creating appropriate learning environments for young children. Field experiences required. (TE)

ECED 2315 Early Childhood Curriculum (3)

A study of developmentally appropriate practices and the teacher's role in supporting development of young children ages birth to eight. An emphasis on curriculum planning including goals, environment, roles of teachers and parents, materials, and settings. Field experiences required. (TE)

ECED 2320 Infant, Toddler, Child Development (3)

The study of the physical, cognitive, social, and emotional aspects of young children and their application to the care, guidance, and development of the child, birth to eight. Laboratory observation and interaction. (TE)

ECED 2340 Family Dynamics and Community Involvement (3)

The role of the family and community in the physical, cognitive, social, and emotional growth of the child in a diverse society. Includes benefits of and strategies for developing positive, reciprocal relationships with families in an early childhood setting ages birth to age eight. Field experiences required. (TE)

ECED 2335 Initial Practicum (3)

Initial Practicum is a supervised practicum which includes a minimum of 30 clock hours in instruction and 45 clock hours in a clinical site approved by the Department (accredited agency, 3-Star, or Department-approved site). These hours may be completed in the student's employment site with Department approval. The course includes a study of the physical and human qualities that combine to create an environment that is safe and healthy and that promotes optimum learning for young children ages birth through eight. (TE)

ECED 2365 Final Practicum (3)

Final Practicum is a supervised clinical experience with a minimum of 15 clock hours in instruction and 90 clock hours in a Clinical Site approved by the Department (accredited agency, 3-Star, or Department-approved site). Up to 45 hours may be completed in the student's employment site with Department approval. Focuses on the student's demonstration of competencies that produce positive developmental outcomes for young children ages birth through eight. (TE)

ECED 2390 Creative Development (3)

This course provides strategies for promoting creative development of the child ages birth to eight. Students will gain an understanding of the concept of creativity: what it is, why it is important, and how the development of creativity in young children can be encouraged. Emphasis is on the development of creativity in relation to art, music, language, movement, and dramatic arts. Field experiences required. (TE)

ECED 2130 Clinical Practicum I (2)

Supervised practicum with a minimum of 15 clock hours in seminar and 45 clock hours in early childhood practical experiences. Course includes a study of the physical and human qualities that combine to create an environment that is safe and healthy, and promotes optimum learning for young children ages birth to eight. (NT)

Economics

ECON 2010 Macroeconomics (3)

Provides basic understanding of modern economic society; fundamental economic concepts; measurement, determination and growth of national income; determination of employment and price level; principles of money and banking; monetary and fiscal policies; economics of less developed countries; comparative economic systems. (T)

ECON 2020 Microeconomics (3)

Provides basic understanding of modern economic society; fundamental microeconomics concepts; consumer and firm behavior; market structure and allocation of resources; pricing of productive resources; antitrust economics, labor economics; public economics and international economics. (T)

Education

EDU 100 Creating College Success (3)

Creating College Success seeks to provide students with information, ideas, strategies, techniques, and experiences that encourage and support student success. Specific topics include orientation to college programs and services, life/time management, improving concentration and memory, teaching and learning styles, listening, reading and taking effective notes, test-taking and importance of academic advisement, critical thinking, stress management for academic success and communications skills. This course may not be taken for credit if a student has taken DSPS 0800 without the approval of the Dean of Humanities and Social Sciences. (TE)

EDU 201 Introduction to Education (3)

Introduction to Education is a general survey course in which students explore the historical, philosophical, sociological, and psychological foundations of education. Students will also use technology tools, including basic computer skills--Windows, Internet, word processing, and presentation skills--in ways that are integrated in contemporary learning environments. Students are required to complete a 12-hour field study in an approved classroom. (Prerequisite: Satisfactory placement test scores or completion

of all Competencies in Learning Support Reading and Writing.) (TE)

EDU 221 Educational Psychology (3)
Educational Psychology is a study and application of the principles of growth and development, learning theory, and assessment techniques in the classroom setting. Pre-service teachers will use integrative technology, including computer word processing, databases, spreadsheets, and presentation tools, so that they will be acquainted with its use to improve student learning, as well as to help teachers become more productive. Students are required to complete a 6-hour field study in an approved classroom. (Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Writing.) (TE)

EDU 222 Education of Exceptional Learners (3)
Education of Exceptional Learners is designed to increase the student's understanding of the psychology and education of the exceptional child. This course is not a methodology course, but it will provide an overview of the range of exceptional characteristics that exist and the effects of these on learning. The physical, mental, emotional, behavioral and social traits of children and adolescents will be discussed. Students will gain an understanding of pertinent federal and state legislation (Individuals with Disabilities in Education Act, Section 504 of the Rehabilitation Act) by which some children and adolescents are considered exceptional and identified as such. Other topics will include legal issues, giftedness, as well as diversity of culture and language. Pre-service teachers will also apply computers and related technologies to support instruction in appropriate grade levels and subject areas for exceptional learners. They will also complete an 8-hour field study in an approved inclusive or special education classroom. (Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Writing.) (TE)

EDU 225 Educational Technology for Teachers (3)
This course is designed for students pursuing a career in education, 21st century classroom training, teachers who are novice users of the current technology found in most 21st century classrooms, and current teachers who want to improve their knowledge of how to use technology in the classroom. Additional lab work required. (TE)

Emergency Medical Services

Students must be admitted in the Emergency Medical Services (EMS) Program before they can register for EMSB, EMSA, EMSP or EMT courses.

EMSB 1101 EMT Medical Skills Lab (1)
EMT Medical Skills Lab is a laboratory based course utilizing scenarios to emphasize EMS operations, communications, documentation, medical/legal/ethical considerations, airway management, respiratory emergencies, cardiovascular emergencies, acute diabetic emergencies, abdominal and gastrointestinal emergencies, urologic emergencies, anaphylactic reactions, behavioral emergencies, assisting with medication administration, and successful assessment of patients with a variety of medical concerns. This course includes application of principles and processes discussed in EMT Medical Emergencies. (Prerequisite: Admission to the EMT Program) (Corequisite: EMSB 1601 and EMSB 1111.) (NT)

EMSB 1102 EMT Trauma and Medical Skills Lab (1)
EMT Trauma and Medical Skills Lab is a laboratory based course utilizing scenarios to emphasize obstetrics and gynecology, neonatal care, pediatric emergencies, geriatric emergencies, environmental emergencies, patients with special challenges, trauma and shock. (Prerequisite or Corequisite: EMSB 1601, EMSB 1101, EMSB 1111, EMSB 2602, and EMSB 1112 depending on delivery schedule.) (NT)

EMSB 1111 EMT Clinical (1)
EMT Clinical is the one of two clinical courses designed to allow the student to meet all psychomotor and affective outcomes for the clinical requirements of an EMT program and build upon the concepts and knowledge learned in EMT Medical Emergencies and EMS Operations. (Prerequisite: Admission to the EMT Program) (Corequisite: EMSB 1601 and EMSB 1111.) (NT)

EMSB 1112 EMT Field Internship (1)
EMT Field Internship is the one of two clinical courses designed to allow the student to meet all psychomotor and affective outcomes for the clinical requirements of an EMT program and build upon the concepts and knowledge learned during prior and/or concurrent courses. (Prerequisite or Corequisite: EMSB 1601, EMSB 1101, EMSB 1111, EMSB 1602, and EMSB 1102 depending on delivery schedule.) (NT)

EMSB 1601 EMT Medical Emergencies and EMS Operations (6)
EMT Medical Emergencies and EMS Operations is the one of two lecture courses designed to provide the student with the knowledge of an entry-level Emergency Medical Technician (EMT). This course includes the following topics: Emergency Medical Responder-National Educational Standards competencies, roles and responsibilities of the EMT, workforce safety, wellness, public health, communications, documentation, EMS operations, medical/legal/ethical considerations, fundamental anatomy and physiology, life span development, fundamental pathophysiology, patient assessment, airway management, respiratory emergencies, cardiovascular emergencies, acute diabetic emergencies, abdominal and gastrointestinal emergencies, urologic emergencies, anaphylactic reactions, and behavioral emergencies. (Prerequisite: Admission to the EMT Program) (Corequisite: EMSB 1101 and EMSB 1111.) (NT)

EMSB 1602 EMT Trauma and Medical Emergencies (6)
EMT Trauma and Medical Emergencies is the one of two lecture courses designed to provide the student with the knowledge of an entry-level Emergency Medical Technician (EMT). This course includes the following topics: obstetrics and gynecology, neonatal care, pediatric emergencies, geriatric emergencies, environmental emergencies, patients with special challenges, trauma and shock. Trauma and shock will include the following topics: bleeding, soft tissue injuries, head and spine injuries, face and neck injuries, chest injuries, abdominal and genitourinary injuries, and orthopedic injuries. (Prerequisite or Corequisite: EMSB 1601, EMSB 1101, EMSB 1111, EMSB 1102, and EMSB 1112 depending on delivery schedule.) (NT)

EMSA 1111 Advanced EMT Clinical (1)
The Advanced EMT Clinical is one of two courses designed to allow the student to meet all psychomotor and affective objectives for the clinical requirements of an Advanced Emergency Medical Technician program and build upon the concepts and knowledge gained during prior and/or concurrent courses. (Corequisites: EMSA 1501 and EMSA 1201.) (NT)

EMSA 1112 Advanced EMT Field Internship (1)
The Advanced EMT Field Internship is the one of two courses designed to allow the student to meet all psychomotor and affective objectives for the clinical requirements of an Advanced Emergency Medical Technician program and build upon the concepts and knowledge gained during prior and/or concurrent courses. (Prerequisite or Corequisite: EMSA 1111, EMSA 1502, and EMSA 1202 depending on delivery schedule.) (NT)

EMSA 1201 Advanced EMT Medical Skills Lab (2)
The Advanced EMT Medical Skills Lab is the one of two laboratory based courses intended to focus the student on developing skills related to theory presented in didactic classes taken as corequisites for this course. This laboratory experience will utilize scenarios to emphasize airway maintenance, medication administration, and successfully assessing patients with a variety of medical concerns. (Corequisites: EMSA 1501 and EMSA 1111.) (NT)

EMSA 1202 Advanced EMT Trauma and Medical Skills Lab (2)
The Advanced EMT Trauma and Medical Skills Lab is one of two laboratory based courses intended to focus the student on developing skills related to theory presented in didactic classes taken as corequisites for this course. This laboratory experience will utilize scenarios to emphasize airway maintenance, medication administration, and successfully assessing patients with a variety of medical concerns. (Prerequisite or Corequisite: EMSA 1201, EMSA 1502, and EMSA 1112 depending on delivery schedule.) (NT)

EMSA 1501 Advanced EMT Medical Emergencies (5)
The Advanced EMT Medical Emergencies is the one of two lecture courses which includes basic and limited advanced skills focused on the acute management and transportation of critical and emergent patients. This course includes the following topics: Emergency Medical Responder and Emergency Medical Technician-National Educational Standards competencies, roles and responsibilities of the AEMT, workforce safety, wellness, public health, communications, documentation, medical/legal/ethical considerations, anatomy and physiology, life span development, pathophysiology, patient assessment, critical thinking, airway management, respiratory emergencies, cardiovascular emergencies, acute diabetic emergencies, abdominal and gastrointestinal emergencies, urologic emergencies, anaphylactic reactions, and behavioral emergencies. (Corequisites: EMSA 1201 and EMSA 1111.) (NT)

EMSA 1502 Advanced EMT Trauma and Medical Emergencies (5)
The Advanced EMT Trauma and Medical Emergencies is one of two lecture

courses which includes basic and limited advanced skills focused on the acute management and transportation of critical and emergent patients. This course includes the following topics: obstetrics and gynecology, neonatal care, pediatric emergencies, geriatric emergencies, environmental emergencies, patients with special challenges, EMS operations, trauma and shock. Trauma and shock will include the following topics: bleeding, soft tissue injuries, head and spine injuries, face and neck injuries, chest injuries, abdominal and genitourinary injuries and orthopedic injuries. (Prerequisite or Corequisite: EMSA 1501, EMSA 1202, and EMSA 1112 depending on delivery schedule.) (NT)

EMSP 1311 - Paramedic Clinical I (3)
Paramedic Clinical I is the first of three clinical courses designed to allow the student to meet all psychomotor and affective objectives for the clinical requirements of a paramedic program and build upon the concepts and knowledge gained during the first semester. (Corequisites: EMSP 1801 and EMSP 1401). (C)

EMSP 1401 Paramedic Skills Lab I (4)
Skills Lab I is a laboratory based course utilizing scenarios to emphasize airway management, medication administration and successful assessment of patients with a variety of medical concerns and an introduction to cardiology. This course includes application of principles and processes discussed in Fundamentals I. (Corequisites: EMSP 1801 and EMSP 1211). (C)

EMSP 1801 Fundamentals of Paramedic I (8)
Fundamentals of Paramedic I is the first of two lecture courses to include the following topics: paramedic roles, responsibilities, workforce safety, wellness, public health, communications, documentation, EMS operations, medical/legal considerations, anatomy and physiology, life span development, general pathophysiology, general pharmacology, patient assessment, critical thinking, airway management, respiratory emergencies and introduction to cardiology. (Prerequisite: Admissions to the Paramedic Program). (Corequisites: EMSP 1401 and EMSP 1211). (C)

EMSP 2303 Paramedic Practicum (3)
Paramedic Practicum is a combination of laboratory and scenarios based course intended to assist students on developing skills related to the theories presented in their previous courses. This course will allow for preparation for psychomotor licensure testing and preparation as a competent entry level Paramedic. (Prerequisites: EMSP 1401 and EMSP 2402) (Corequisites: EMSP 2403 and EMSP 2513). (C)

EMSP 2402 Paramedic Skills Lab II (4)
Paramedic Skills Lab II is a laboratory based course intended to utilize scenarios to emphasize respiratory/cardiac emergencies (on-going from EMSP 1401), pulmonology, neurology, endocrinology, gastroenterology, urology, and nephrology, hematology, gynecology, obstetrics, neonatology, pediatrics, trauma, continuing cardiology, and successful assessment of patients with a variety of medical conditions. This course includes application of principles and processes discussed in Fundamentals I. (Prerequisites: EMSP 1801, EMSP 1401, and EMSP 1211) (Corequisites: EMSP 2802 and EMSP 2412). (C)

EMSP 2403 Paramedic Capstone (4)
Paramedic Capstone serves as a mechanism to insure that the student meets academic requirements to test for National Registry and licensure. This course will include all necessary steps needed to complete the program including exit exams, preparation for National Registry practical and written exams, exit interviews, patient care review by the Medical Director, and any other administrative requirements that the program may deem necessary. (Prerequisites: EMSP 1801 and EMSP 2802) (Corequisites: EMSP 2303 and EMSP 2513). (C)

EMSP 2412 Paramedic Clinical II (4)
Paramedic Clinical II is the second of three clinical experiences designed to allow the student to meet all psychomotor and affective objectives for the clinical requirements of a paramedic program and to build upon the concepts and knowledge gained during prior and/or concurrent courses. (Prerequisites: EMSP 1801, EMSP 1401 and EMSP 1211) (Corequisites: EMSP 2802 and EMSP 2402). (C)

EMSP 2513 Paramedic Field Internship (5)
Paramedic Field Internship provides evidence that the student is capable of acting as a team leader in managing the emergency care and treatment of an injured or ill patient at the paramedic level. The student will demonstrate competency in this role. While all skill sets should have been achieved prior

to initiating the internship, patient types and pathologies may be used from this experience to complete the minimum graduation academic requirements as set forth in CoAEMSP accreditation documents and the Tennessee Office of EMS. (Prerequisites: EMSP 1211 and EMSP 2412) (Corequisites: EMSP 2303 and EMSP 2403). (C)

EMSP 2802 Fundamentals of Paramedic II (8)
Fundamentals of Paramedic II is the second of two lecture courses to include the following topics: respiratory and cardiology (on-going from EMSP 1801), pulmonology, neurology, endocrinology, gastroenterology, urology and nephrology, hematology, gynecology, obstetrics, neonatology, pediatrics, geriatric emergencies, psychological emergencies and trauma/shock. (Prerequisites: EMSP 1801, EMSP 1401 and EMSP 1211) (Corequisites: EMSP 2402 and EMSP 2412). (C)

EMT 116 Basic EMT-IV Clinical Practice (Institutional Credit) (1)
Supervised clinical application of knowledge and skills developed in EMT 118. Emphasis is on initiation of intravenous therapy, patient assessment, basic airway management, communication, and treatments used to treat trauma emergencies. (Prerequisite: Currently holds Tennessee licensure as an EMT Basic; Corequisite: EMT 118.) Minimum of 48 clinical hours a semester. (NT)

EMT 118 Basic EMT Intravenous (IV) Therapy (Institutional Credit) (3)
This course provides EMT Basics who seek EMT IV licensure the knowledge, skills, and competencies consistent with the state of Tennessee EMS regulations. This course emphasizes the acquisition of principles, techniques and skills related to intravenous therapy including fluid and electrolytes and acid-base balance. Other topics include but not limited to review of EMT roles and responsibilities, EMS systems, medical legal considerations, patient assessment, telecommunications, and assessment and treatment of the trauma patient. (Prerequisite: Current Tennessee EMT-Basic License) (Corequisite: EMT 116.) 2 hrs. lecture, 2 hrs. lab. (NT)

Engineering

ENGR 2110 Statics (3)
A study of vector algebra, resultants, centroids, equilibrium, moments of inertia, and virtual work. (Corequisite or Prerequisite: MATH 1910.) (T)

ENGR 2120 Dynamics (3)
A study of kinematics, kinetics, Newton's laws, work-energy principle, impulse-momentum principle, vibrations. (Corequisite or Prerequisite: MATH 1920.) (T)

Engineering Graphics

ERG 101 Engineering Graphics (3)
This course introduces the student to graphics communication. Visualization, projection techniques, standards, and conventions will be learned through freehand sketches and the use of a computer. 2 hrs. lecture, 2 hrs. lab. (NT)

ERG 103 Solid Modeling with CAD (2)
This course is designed to introduce the student to computerized three-dimensional (3D) drafting or solid modeling. This course may not be taken for credit if a student has completed ERG 101 using the equivalent software. (Prerequisite: Drafting experience.) 1 hr. lecture, 2 hrs. lab. (NT)

ERG 127 Geometric Dimensioning and Tolerancing (2)
A study of principles and applications of the latest techniques in geometric dimensioning and tolerancing using the national standards ANSI Y14.5M. Concepts of shape and size description of machine parts with several types of fits and tolerances using geometric symbols will be studied. Students will gain an appreciation of national standards in relationship to the production of a quality product. (NT)

ERG 151 Computer Assisted Design/Drafting (3)
This course is designed to introduce the student to computerized two-dimensional (2D) drafting. This course may not be taken for credit if a student has completed ERG 101 using the equivalent software. (Prerequisite: Drafting experience.) 3 hrs. lecture/lab. (NT)

English

Dual Enrollment students are not eligible to take 0800 level courses.

ENGL 0800 Learning Support Writing I (3)
This course focuses on writing competencies that demonstrate mastery of

such essential writing topics as purpose, audience analysis, organization, supporting details, language skills, grammar and punctuation, and the writing process. Based on diagnostic scores, student writing assignments will be at the paragraph or essay level. To successfully complete the Learning Support Writing requirements and meet prerequisites for ENGL 1010, students must reach a mastery level on an essay assignment with supporting documentation. The student must master one of the two required Learning Support Writing Competencies to receive a passing grade for this course. (This course is institutional credit only.) (Prerequisite: 0 to 12 Writing ACT or comparable placement test score) (Corequisite: ENGL 1010) 3 hrs. lecture/lab.) (NT)

ENGL 0802 Learning Support Writing II (2)

This course allows students to complete writing competencies to exit Learning Support Writing. Students are required to attend a two (2) hour class that provides remediation to support projects and assignments in English 1010. Students will learn about the writing process: outlining, constructing arguments, conducting research, and documenting sources. The course emphasizes the process of revision as the main method of improving writing. Demonstration of mastery of Learning Support Writing Competencies 1 and 2 is required for successful completion. Upon successful completion of English 0802, the student receives two (2) institutional credits. Students enrolled in this course are also required to co-enroll in English 1010. (Prerequisite: ACT English 13-17 or equivalent) (Corequisite: ENGL 1010.)

ENGL 1010 Composition I (3)

The ENGL 1010 course introduces students to writing and evaluating argumentative essays; developing awareness of rhetorical techniques used in persuasive writing; and applying argumentative elements and research in assigned papers. Students must take this course as a degree requirement. (Prerequisite: satisfactory ACT or satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Writing (Corequisite: READ 0800, READ 0802, ENGL 0800, ENGL 0802) (T)

ENGL 1020 Composition II (3)

The ENGL 1020 course instructs students in the development of writing skills beyond the levels of proficiency required in ENGL 1010, with emphasis on interpretation and evaluation of literature (short fiction, poetry, and drama) and more advanced research methods. (Prerequisite: ENGL 1010.) (T)

ENGL 1070 Technical Writing (3)

The principles of effective technical communication are applied to a broad variety of assignments from brief memos and summaries to detailed formal reports and proposals. (Prerequisite: satisfactory ACT or placement test scores or completion of all Competencies in Learning Support Reading and Writing.) (TE)

ENGL 2015 Introduction to Film Studies (3)

The study of World Cinema focuses on terminology, analyses of film techniques, genres, historical periods, and narrative styles. Course work includes writing and speaking assignments. (T)

ENGL 2130 Survey of American Literature (3)

Survey of American Literature is a reading course that focuses on critical analysis of representative works from the Colonial era to the present. (Prerequisite: ENGL 1020.) (T)

ENGL 2230 Survey of British Literature (3)

Survey of British Literature is a reading course that focuses on critical analysis of representative works from Beowulf to the present. (Prerequisite: ENGL 1020.) (T)

ENGL 2330 Survey of World Literature (3)

Survey of World Literature is a reading course that focuses on critical analysis of representative works from the ancient world to the present. (Prerequisite: ENGL 1020.) (T)

ENGL 2910 Creative Writing (3)

Theory and practice of the creation of fiction, drama, and poetry by the analysis of models and student manuscripts. (Prerequisite: satisfactory ACT or placement test scores or completion of all Competencies in Learning Support Reading and Writing.) (TE)

ENGL 2920 Survey of African American Literature (3)

African American Literature studies oral and written stories of African

American writers from the 18th century through the Harlem Renaissance to present times, including well-known authors like Zora Neale Hurston, Langston Hughes, Martin Luther King, Jr., and others. Students analyze major themes like alienation, identity, double-consciousness, racism, classism, rebellion, revolt and escape. They evaluate these works for their literary merit, becoming aware of the personal, social, artistic and literary values of African American authors; furthermore they discover connections among these stories, poems, and speeches and their own experience. (Prerequisite: ENGL 1010 or ACT English 32 or SAT Verbal 720 or completion of all Competencies in Learning Support Writing.) (T)

Film Crew Technology

FCT 1010 Set Equipment and Machinery (3)

Introduction to equipment and machinery generally used on sets and in studios. The course emphasizes working familiarity of equipment and machinery and for each: explores safe usage and behavior, safety issues and common unsafe practices. Upon completion, students should be able to recognize generally used equipment and machinery on sight and specify their general usage and safety. (Prerequisite: FCT 1012.) 6 hrs. lab. (NT)

FCT 1012 Introduction to Entertainment Technology (2)

Overview of the entertainment production industry and discussion of current trends, technical terminology, working methods, and processes associated with a variety of venues. The course explores career opportunities in the stage and film industry with special emphasis on relationships between various job categories, and roles of "below the line" production crews. Upon completion, students should be able to demonstrate knowledge of working conditions in the industry and define and appropriately use industry specific terms. (Corequisite: FCT 1013 and FCT 1014.) (NT)

FCT 1013 Motion Picture Safety and Etiquette (3)

Survey of health and safety issues, practices, regulations and etiquette associated with working in the motion picture industry. The course emphasizes safe uses and behaviors for working on stages, sets and studios. The course also addresses use of hazardous materials, the identification and mitigation of hazards and unsafe practices as well as emphasizing situation-appropriate behavior, conflict resolution, working effectively in teams, and applicable regulations/laws regarding workplace behavior. Topics include inclement weather issues, ventilation, shop and location conditions, electrical system safety, fire safety equipment and procedures, current OSHA/EPA standards and other hazards associated with entertainment productions as well as proper behavior, dress, and etiquette in the workplace. Upon completion, students should be able to demonstrate working knowledge of safety issues, practices, and regulations applicable to entertainment venues. (Corequisite: FCT 1012.) (NT)

FCT 1020 Basic Grip (3)

Study of grip terminology, behaviors, skills and equipment as related to motion-picture production. The course covers various grip/support packages used in different environments for studio and location. Students will learn to set up, operate and break down grip equipment and rigging, erect and dismantle scaffolding; load, unload, position, and strike scenery, settings, and scenic equipment; support and move cameras during shooting. Upon completion, students should be able to execute basic grip directions given by the key grip. (Prerequisite: FCT 1010.) (NT)

FCT 1210 Fundamentals of Lighting Technology (3)

Introduction to lighting techniques, practices and equipment. This course covers the basic principles of lighting theory and how variables in lighting can be used to control the production environment. Topics include basic physics of lighting, lighting combinations, lighting effect, forms of color correction, different lighting situations, and lighting safety. Upon completion, students should be able to demonstrate an understanding of technical lighting terms, principles of light, lighting crew protocol, and lighting manipulation. (Prerequisite: FCT 2040.) (NT)

FCT 1211 Fundamentals of Electricity (2)

Introduction to DC and AC circuits, electromagnetic devices, electronic components, and analog and digital circuits. Upon completion, the student will be able to demonstrate a working knowledge of electricity, wiring, distribution systems and safety relevant to the entertainment industry. (Corequisite: FCT 1012.) 1 hr. lecture, 2 hrs. lab. (NT)

FCT 2010 Set Construction Laboratory (3)

Advanced construction techniques with an emphasis on set construction, scheduling, problems and budgeting. Work on productions outside of class

is required. Upon completion, the student should be able to assist in all fields related to the fabrication and decoration of sets and props. (Prerequisites: FCT 1014 and CEN 205 or permission of the instructor.) 6 hrs. lab. (NT)

FCT 2020 Advanced Grip (3)
Advanced coverage of grip/support packages used in studio work and on location. The course emphasizes strategies necessary to anticipate shooting needs and problem solving. Topics include advanced coverage of lighting and camera dollies, control and management of undesirable sound, and rigging with emphasis on safety issues. Upon completion, students should be able to execute grip directions given by the key grip, cinematographer and/or director of photography. (Corequisite: FCT 1020 or permission of the instructor.) 1 hr. lecture, 4 hrs. lab. (NT)

FCT 2025 Motion Picture Sound Recording (2)
Introduction to sound recording techniques, practices and equipment. This course covers the basic principles of audio theory and techniques used in recording sound on location and in studio environments but in production and post-production applications. Topics include basic physics of sound, digital recording devices, boom microphones and wireless sound devices. Upon completion, students should be able to demonstrate an understanding of technical audio terms, recording techniques and basic principles of capturing live audio. (Prerequisite: FCT 1010 and FCT 1012). 1 hr. lecture, 2 hrs lab. (NT)

FCT 2030 Film and Video Lighting (3)
Application of lighting principles to film and video formats. Emphasis is placed on terminology, color theory and correction, film lighting techniques, practices, and equipment. The course requires students to set up, move, operate, and break down lighting equipment. Students are required to work as a lighting technician on approved film sets. Upon completion, students should be able to demonstrate an understanding of camera terms and equipment, lighting crew protocol, applications of lighting theory to film, assist on studio/location shoots and be able to execute basic directions given by the gaffer. (Prerequisite: FCT 1211) (Corequisite: FCT 1210 or permission of the instructor.) 1 hr. lecture, 4 hrs. lab. (NT)

FCT 2040 Advanced Electric (3)
Study of electrical equipment and distribution techniques. The course covers terminology, equipment, power distribution, safety, execution of lighting diagrams, and other aspects of providing electrical capabilities on location and in the studio. The course also explores digital information common to motion-picture production. Upon completion, the student should be able to assist with electric and digital information needs on location or in a studio. (Prerequisite: FCT 1211.) 1 hr. lecture, 4 hrs. lab. (NT)

FCT 2050 Film Production Laboratory (3)
Practical experience in a variety of crew positions with student and/or professional film productions. This production-based capstone experience will require that the student assist in a crew role on 1-2 college or professional film productions for a minimum of 180 hours. Upon completion, students should be able to demonstrate professional skills needed to pursue careers as technical crew members in the film and video industry. (For graduating students completing the FCT Program.) (Prerequisite: Permission of the instructor.) Minimum of 180 hours a semester. (NT)

French

FREN 1010 Beginning French I (3)
Essentials of French elementary grammar, pronunciation, conversation, and simple readings. Laboratory required. (T)

FREN 1020 Beginning French II (3)
Continuation of Beginning French I. (Prerequisite: FREN 1010 or permission of the instructor.) Laboratory required. (T)

FREN 2010 Intermediate French I (3)
Reading intermediate French texts, grammar review, and oral practice. (Prerequisite: FREN 1020 or permission of the instructor.) Laboratory required. (T)

FREN 2020 Intermediate French II (3)
A continuation of intermediate French I, with emphasis on French readings and oral practice. (Prerequisite: FREN 2010 or permission of the instructor.) Laboratory required. (T)

General Technology

GENT 291 General Technology Capstone (1)
This is the capstone course for general technology majors. Students will evaluate their personal strengths and weaknesses, in addition to their opinions and knowledge regarding different leadership and management styles in various workplace scenarios will also be discussed. Furthermore, each student will make a presentation about a topic of interest in their chosen career field and demonstrate their overall understanding of program competencies. (NT)

Geography

GEOG 1010 Physical Geography I (4)
An introduction to the atmosphere, including Earth/Sun relationships and the processes that generate weather and determine climate. Areas of study will include phenomena and hazards related to weather, and a detailed analysis of climate and climate change, air pollution, and energy resources. (Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Math ACT 13 or higher or comparable placement test.) 3 hrs. lecture, 2 hrs. lab. (T)

GEOG 1020 Physical Geography II (4)
A general study of the forces shaping Earth's surface, including a study of geomorphology, including the origin, evolution, form, and global distribution of landforms. Focus will include a survey of hydrologic, organic, and mineral resources, as well as a detailed analysis of global population pressures and the resulting demands on food and other resources. Earth's surface pollution, such as water, solid waste, and hazardous waste materials will also be discussed. (Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Math ACT 13 or higher or comparable placement test.) 3 hrs. lecture, 2 hrs. lab. (T)

GEOG 1030 Introduction to Cultural Geography (3)
This course covers spatial variation in human activity. Topics include geographic extent of population characteristics, languages, religions, economics, and governments. Most emphasis will be placed on the present although some past cultural landscapes will be recalled. (T)

GEOG 2010 World Regional Geography (3)
A survey of the physical, cultural, socio-economic, and political traits characteristic of developing and developed nations. Developing nations examined include those of the Latin American, African, and Asian regions. Developed nations explored include Japan and Australia, those of the North American and European regions, and the former Soviet Socialist Republics. (T)

German

GERM 1010 Elementary German I (3)
Introduction to German language and culture with emphasis in elementary grammar, reading, writing, speaking, and aural comprehension. (TE)

GERM 1020 Elementary German II (3)
A continuation of the German language. This course focuses on the development of basic communication skills in German. (Prerequisite: GERM 1010.) (TE)

Health

HED 221 Personal Health (3)
A study of personal health problems including communicable diseases, nutrition, degenerative diseases, and fitness. This course will include knowledge of basic human vital signs. (Course is offered Fall only.) (TE)

HED 231 Safety and First Aid (3)
Focuses on the development of a safety attitude and understanding of individual responsibility in personal and community programs for accident prevention and control. Students are expected to acquire knowledge and skills for the emergency care of individuals. Successful completion entitles student to the American Heart Association certification. (T)

HED 241 Principles of Nutrition (3)
Focuses on the nutritive value and function of food in the body, including personal and family nutritive requirements. (T)

Health Information Technology

HIT 115 Introduction to Health Information Technology (4)

This course is designed to introduce students to the principles of health information management. The development, content and management of the medical record will be explored as well as a basic overview of health care delivery systems. Emphasis is placed on hospital and medical staff organizations; patient record content; procedures in filling, numbering and retention of patient records; quantitative analysis; release of patient information; forms control and design; indexes and registers; regulatory and accrediting agencies; and the transition to an electronic record. (NT)

HIT 125 Computer Applications in Health Information Technology (3)

This course provides students with knowledge and understanding of the various computer applications and information systems that are encountered in health information departments; Topics for discussion include clinical vocabularies, data repositories (including the various registries), master patient indices, health information abstracting, transcription, the computerized patient record, voice recognition technology and scanning. The use of databases, data collection methods, and the importance of data quality will be discussed. (Prerequisite: HIT 115) (NT)

HIT 250 Legal Aspects of Health Information (3)

This course is designed to assist students with an understanding of the legal principles that govern the health information field. Emphasis is placed on concepts and principles of the law, the health record as a legal document, confidentiality, informed consent, release of information and current trends in health legislation. (Prerequisite: HIT 115) (NT)

Health Sciences

HSC 291-293 Health Sciences Capstone - Leadership in Health Care (1-3)

Courses are designed to focus on theory and application for the development of strategies and skills in preparing health sciences practitioners to pursue leadership roles. Courses allow students to engage in independent study of selected topics in a seminar or symposium format. Student will be involved in the selection, presentation, and discussion of relevant topics. Student attainment of competencies will be demonstrated using active learning methods including personal portfolios, presentations, and discussions. Expectations for depth and breadth of student mastery of concepts vary by course (291, 292, and 293). (Prerequisite: Sophomore standing in a Health Science degree program or holds a certificate/diploma in a health related discipline or instructor permission.) (NT)

HSC 291 Health Sciences Capstone - Leadership in Health Care (15 hours minimum) (1)

HSC 292 Health Sciences Capstone - Leadership in Health Care (30 hours minimum) (2)

HSC 293 Health Sciences Capstone - Leadership in Health Care (45 hours minimum) (3)

History

HIST 1110 Survey of World Civilization I (3)

Foundations of the modern world from the first civilizations through the fifteenth century. Topics include western and non-western classical civilizations, the Middle Ages, and the discovery of the Americas. (Corequisite or Prerequisite: Satisfactory placement test scores and completion of all Competencies in Learning Support Reading.) (T)

HIST 1120 Survey of World Civilization II (3)

Major world events from the acceleration of global contact beginning in the 16th century, the age of revolutions, the "ism's" of the nineteenth century, the world wars of the twentieth century, and the world today. (Course is offered Spring only.) (Corequisite or Prerequisite: Satisfactory placement test scores and completion of all Competencies in Learning Support Reading.) (T)

HIST 2010 Survey of United States History I (3)

The colonial period, winning independence, constitutional development, physical expansion, growing sectionalism, Civil War and reconstruction. (Corequisite or Prerequisite: Satisfactory placement test scores and completion of all Competencies in Learning Support Reading.) (T)

HIST 2020 Survey of United States History II (3)

Industrialization, populism and progressivism, imperialism, World War I, the

depression and the New Deal, World War II, the post-war period and contemporary issues. (Corequisite or Prerequisite: Satisfactory placement test scores and completion of all Competencies in Learning Support Reading.) (T)

HIST 2030 Tennessee History (3)

A survey of Tennessee history and its people from the 18th century with an emphasis on political, economic, and social developments in a regional and national context. (Corequisite or Prerequisite: Satisfactory placement test scores and completion of all Competencies in Learning Support Reading.) (TE)

HIST 2991 Special Topics in History (1)

Special Topics in History is an in-depth study of a selected history topic, including relevant political, social, cultural and/or economic development and issues. This course may be repeated for up to 2 credits. (Prerequisite: 3 credit hours of HIST courses and permission of instructor.) (TE)

Humanities

HUM 1130 Arts and Culture I (3)

A survey course on art and culture from Ancient Civilizations up to the Renaissance with an emphasis on the interaction of architecture, art, culture, literature, and daily life. (T)

HUM 1131 Arts and Culture II (3)

A survey course on art and culture from the Renaissance to the contemporary era with an emphasis on the interaction of architecture, art, culture, literature, and daily life. (T)

Industrial Technology

INT 122 Fundamentals of Work Teams (3)

A study of the concepts and procedures used in developing efficient work teams. Topics covered include team organization and selection, setting and achieving team goals, and creative problem solving. The benefits of the team concept in increasing individual and group productivity will also be addressed. (NT)

INT 124 Hydraulic and Pneumatic Systems (3)

Introduces the theory of fluid power and basic circuits using cylinders, valves, accumulators, filters, pumps, motors, etc. as they are used in the current industrial applications. Hands-on experience will be given using cut-aways, standard components, and test stands. 2 hrs. lecture, 2 hrs. lab. (NT)

INT 126 Numerical Control Concepts (3)

An introduction to the use of numerical control machines for manufacturing processes. Computer controlled devices will also be included. (NT)

INT 127 Vibration Analysis and Predictive Maintenance (3)

An introduction to the basic theory, tools, and application of vibration analysis, oil analysis, thermography, and ultrasonic analysis. The use of equipment and hands-on experiences are included. 2 hrs. lecture, 2 hrs. lab. (NT)

INT 128 Advanced Hydraulics/Pneumatics (3)

An advanced course in the theory and design of practical hydraulics and pneumatics circuits. Hands-on experience using test stands and commercial components is included. (Prerequisite: INT 124.) 2 hrs. lecture, 2 hrs. lab. (NT)

INT 134 Machinery Handbook (1)

Introduces the student to the reference handbook used in manufacturing processes. Topics covered include locating specific items in the manual, different types of manufacturing processes, industry standards for manufacturing, and the metric system. (NT)

INT 135 Tool and Die Design (3)

Covers theory in the design of metal cutting tools. The course is designed to give students the basic knowledge of the principles, tools, and commercial standards of single point, fixture, and design. (NT)

INT 136 Tool and Die Technology (3)

A study of the technology of the different manufacturing processes, including drills, lathes, and milling machines. (Prerequisite: INT 135.) (NT)

INT 137 Mechanical Power Transmission (3)

A study of the different mechanical means by which power is transmitted from one location to another. Topics discussed will include gears, motors, chain and belt drives, and applications. (NT)

INT 141 Blueprint Reading (3)
Interpretations of various prints found in a manufacturing environment. This includes projection theory, dimensioning, shape description and representation of fabrication methods. (NT)

INT 152 Process Control (1)
This course introduces the concepts and techniques of process control used in the manufacturing environment. Production processes will be analyzed based on the interpretation of control charts for variables and attributes. Charts, such as X bar, R, and fraction defective charts, will be studied. Control charts will be used to identify the causes of variation in a production process. (NT)

INT 210 Engineering Economy (3)
Economic evaluation of alternatives, industrial and personal. Interest, time value of investments, depreciation and income taxes, break-even cost analysis and replacement analysis. (Prerequisite: MATH 1710.) (NT)

INT 212 Plant Layout and Materials Handling (3)
Materials handling classification and procedures, selection of equipment, receiving and shipping areas, plant layout problems, and techniques, such as line balancing and plant location factors. (NT)

INT 213 Operations Management (3)
Operations Management is a study of the management of systems or processes that create goods and/or provide services. Topics to be covered include quality management, forecasting, facility location, capacity and layout, human resources, project management, inventory systems, and any other current and relevant topics. The topics will be taught using both quantitative and qualitative methods. (Prerequisite: Satisfactory ACT score and one (1) year of high school algebra or completion of all Competencies in Learning Support Math.) (NT)

INT 226 Numerical Control Concepts II (3)
This course introduces the student to advanced levels of CNC programming used in manufacturing processes. Topics included are G-Code programming, computer aided manufacturing (CAM), conversational machining programming languages and familiarity with CNC machining utilizing both the CAM and conversational programming languages and how they apply relative to G-Code programming. (Prerequisite: ERG 101 and INT 126.) 3 hrs. lecture/lab.(NT)

INT 231 Time and Motion Study (3)
Design of work methods, including analysis and improvement. Determination of time standards by stopwatch technique, work sampling technique and standard data technique. (NT)

INT 251 Statistical Quality Control (3)
Statistical quality analysis of processes utilizing control chart techniques, process capability, and other "tools of quality." (Prerequisite: MATH 1710.) (NT)

Information Systems

INFS 1010 Computer Applications (3)
This course provides hands-on experience using commercial software packages for business applications. Topics include microcomputer system components, operating systems, word processing, spreadsheets, and presentation software. Keyboarding skills are highly recommended. (T)

Information Systems Technology

IST 1500 Computer System Essentials (3)
Cisco IT Essentials: PC Hardware and Software provides a comprehensive overview of computer hardware and software and an introduction to advanced concepts in computing. Topics include the internal components of a computer, assembling a computer system, installing an operating system, troubleshooting using system tools and diagnostic software, connecting to the Internet, and sharing resources in a network environment. This course integrates virtual learning tools to supplement classroom learning and provide an interactive "hands-on" experience. (NT)

IST 1750 Computer Networking I (3)
CCNA 1: Network Fundamentals is the first of four courses leading to the

Cisco Certified Network Associate (CCNA) designation. This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. Labs use a "model internet" to allow students to analyze real data without affecting production networks. Packet Tracer (PT) activities help students analyze protocol and network operation and build small networks in a simulated environment. At the end of the course, students build simple LAN topologies by applying basic principles of cabling, performing basic configurations of network devices such as routers and switches, and implementing IP addressing schemes.(Prerequisite: IST 1500.) (NT)

IST 2090 Database Applications (3)
An introduction to the concepts and syntax of relational database management systems for microcomputers. Topics include data modeling, database design concepts including normalization, and their application through the creation of tables, queries, forms and reports using the tools provided in a relational DBMS. (Prerequisite: INFS 1010.) (NT)

IST 2400 Spreadsheet Applications (3)
A study of advanced features of spreadsheets and various advanced techniques for analyzing and manipulating data in spreadsheets. Emphasis will be placed on business math topics such as: the time value of money and the related topics of compound interest, annuities, bonds, and loans. (Prerequisites: INFS 1010 and 19 Math ACT or completion of all competencies in Learning Support Math.) (NT)

IST 2630 Web Page Development and Design (3)
This course will cover the fundamental concepts of Web page design and creation, Web graphics, and how the Internet and World Wide Web works. Students will design and develop Web pages using Web page editing/publishing software and optimize images for Web pages. Basic Web pages containing scripts and simple Java applets will be created using Web page editing software. (Prerequisite: INFS 1010.) (NT)

IST 2730 Advanced Web Page Development (3)
This course provides an introduction to client-side vs. server-side environments. Database and scripting language(s) will be explored in relation to Web design, along with emerging technologies. Topics are covered, ranging from programming a basic e-commerce type shopping cart to connecting to a database. Additional topics will include securing and validating web applications and user input, monitoring web session state, and using master templates. (Prerequisite: IST 2630.) (NT)

IST 2750 Computer Networking II (3)
CCNA 2: Routing Protocols and Concepts is the second of four CCNA courses leading to the Cisco Certified Network Associate (CCNA) designation. This course describes the architecture, components, and operation of routers, and explains the principles of routing and routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols RIPv1, RIPv2, EIGRP, and OSPF. By the end of this course, students will be able to recognize and correct common routing issues and problems. Students complete a basic procedural lab, followed by basic configuration, implementation, and troubleshooting labs in each chapter. Packet Tracer activities reinforce new concepts, and allow students to model and analyze routing processes that may be difficult to visualize or understand. (Prerequisite: IST 1750.) (NT)

IST 2800 Database Development (3)
This course introduces students to data management using Relational Database Management Systems (RDBMS). Course covers data modeling techniques used to design databases. Students will create, modify, and update databases using Structured Query Language (SQL). (Course is offered Fall only.) (Prerequisite: IST 2090.) (NT)

IST 2810 Computer Security (3)
This course covers the theory and practice of computer security in operating systems, networks, and data systems, with an emphasis on data protection. Cryptographic techniques and tools are surveyed and applied to security problems. From this course, students can expect to gain an understanding of applying basic computer security theory to common problems found in the business world today. Students will also be introduced to concepts in computer forensics and investigation, such as acquiring and examining digital evidence. (Prerequisite: IST 1750.) (NT)

IST 2850 Computer Networking III (3)
 CCNA 3: LAN Switching and Wireless is the third of four courses leading to the Cisco Certified Network Associate (CCNA) designation. This course provides a comprehensive, theoretical, and practical approach to learning the technologies and protocols needed to design and implement a converged switched network. Students learn about the hierarchical network design model and how to select devices for each layer. The course explains how to configure a switch for basic functionality and how to implement Virtual LANs, VTP, and Inter-VLAN routing in a converged network. The different implementations of Spanning Tree Protocol in a converged network are presented, and students develop the knowledge and skills necessary to implement a WLAN in a small-to-medium network. (Prerequisite: IST 2750.) (NT)

IST 2930 Computer Science III (3)
 A study of object-oriented programming through the use and practical application of the C# language. Topics include classes, objects, methods, GUI programming, graphics, databases, XML, Web pages and Internet. (Prerequisite: CISP 1010.) (NT)

IST 2950 Computer Networking IV (3)
 CCNA 4: Accessing the WAN is the last of four courses leading to the Cisco Certified Network Associate (CCNA) designation. This course discusses the WAN technologies and network services required by converged applications in enterprise networks. The course uses the Cisco Network Architecture to introduce integrated network services and explains how to select the appropriate devices and technologies to meet network requirements. Students learn how to implement and configure common data link protocols and how to apply WAN security concepts, principles of traffic, access control, and addressing services. Finally, students learn how to detect, troubleshoot, and correct common enterprise network implementation issues. (Prerequisite: IST 1750.) (NT)

IST 2990 Project Integration Capstone (3)
 This is the capstone experience for Information Systems Technology majors. It has an internship component and is intended to integrate practical work experience with the cumulative knowledge and skills obtained during the student's education. The student learns to set objectives and measure performance against those objectives in a business setting through a structured reporting process with the instructor. Students must have sophomore standing and permission of instructor to register for this course. (Prerequisite: Sophomore standing and permission of instructor.) (NT)

IST 2999 Current Topics in Information Systems Technology (3)
 This course is a study of current developments in the field of Information Systems Technology and special topics not covered in other courses. This course may be repeated one time for credit with permission of the instructor and only if a different topic is covered. (NT)

Marketing

MKT 204 Principles of Retail Management (3)
 A study of the retail management decision areas, known as the retail mix: physical facilities, pricing, merchandise, promotion, and service. Methods used by a retail manager in organizing, controlling, and leading the organization toward its objectives are also covered. (NT)

Mathematics

Dual Enrollment students are not eligible to take 0800 level courses.

MATH 0010 Learning Support for MATH 1010 (2)
 This course will allow students to develop and show mastery of the outcomes to support college level mathematics which include: real number sense and operations, solve equations, analyze graphs, modeling and critical thinking, and operations with algebraic expressions. The student must show competency in at least three of five Learning Support Mathematics outcomes to earn a passing grade in this course. This course is institutional credit only. (Corequisite: enrollment in MATH 1010.) (NT)

MATH 0530 Learning Support for MATH 1530 (2)
 This course will allow students to develop and show mastery of the outcomes to support college level mathematics which include: real number sense and operations, solve equations, analyze graphs, modeling and critical thinking, and operations with algebraic expressions. The student must show competency in at least three of five Learning Support Mathematics outcomes to earn a passing grade in this course. This course is institutional

credit only. (Corequisite: enrollment in MATH 1530.) (NT)

MATH 0800 Learning Support Mathematics I (3)
 This course will allow students to develop and show mastery of the outcomes required for entry into college-level mathematics which include: real number sense and operations, operations with algebraic expressions, analyze graphs, solve equations, and modeling and critical thinking. Students must show competency in all five TBR approved mathematics outcomes before enrolling in college-level mathematics. The student must show competency in three out of five Learning Support Mathematics outcomes to earn a passing grade in this course. (This course is institutional credit only.) (Prerequisite: 13 to 18 Math ACT or comparable placement test score.) 3 hrs. lecture/lab. (NT)

MATH 0802 Learning Support Mathematics II (2)
 This course is a continuation of MATH 0800 for students who have not demonstrated competency in all five Learning Support Mathematics outcomes. (This course is institutional credit only.) (Prerequisite: Successful completion of at least three of the five outcomes from MATH 0800.) 2 hrs. lecture/lab. (NT)

MATH 0900 Elementary Geometry (3)
 A study of deductive and inductive reasoning, properties of two and three dimensional figures, and congruence, similarity, and symmetry of geometric figures. This course meets the 1989 high school admissions requirement in geometry. (This course is institutional credit only.) (NT)

MATH 1000 Essentials of Algebra (3)
 An algebra course containing a review of selected algebraic concepts; functions, polynomials, factoring, rational expressions and equations, rational exponents, radicals, quadratic equations; properties and graphs of functions; and exponential and logarithmic functions and equations. Methods of solving real-world applications are integrated throughout the course content. Essentials of Algebra is designed to provide students with skills which support their success in upper college-level curricula and enable them to achieve their educational goals. Upon earning a grade of "C" or better, the student becomes eligible to enter either MATH 1710 (Precalculus Algebra) or MATH 1630 (Finite Mathematics). (This course does not fulfill the General Education core requirements for graduation or transfer.) (Prerequisite: 19 to 21 Math ACT or satisfactory placement test scores or completion of all Competencies in Learning Support Math.) (TE)

MATH 1010 Mathematics for the Liberal Arts (3)
 Mathematics as applied to real-life problems selected from such topics as logic, set theory, consumer mathematics, statistics, probability, counting methods of apportionment, and voting schemes. This course is designed to expand the student's appreciation of how mathematics applies to quantitative problems that originate in many fields, and the student will learn strategies for solving some of these problems. (Prerequisite: 19 Math ACT or satisfactory placement test scores or completion of at least 3 of 5 Competencies in Learning Support Mathematics OR (B) Co-requisite enrollment in Learning Support Mathematics (MATH 0010.) (T)

MATH 1130 College Algebra (3)
 A college algebra course containing a study of expressions, equations, and functions of linear, quadratic, polynomial, rational, radical, exponential, and logarithmic types. Applications of algebraic concepts will be emphasized throughout the course. (Prerequisite: 19 Math ACT or satisfactory placement test scores OR completion of at least 3 of 5 Competencies in Learning Support Math.) (T)

MATH 1410 Number Concepts for Elementary Education (3)
 A study of the concepts and methods of arithmetic, set theory, number theory, numeration systems, and algebraic techniques and functions. This course is primarily designed for elementary education majors. (Prerequisite: 19 Math ACT or satisfactory placement test scores or completion of all Competencies in Learning Support Math.) (TE)

MATH 1420 Geometry for Elementary Education (3)
 This course will cover topics in measurement, congruence, similarity, translations, graphing, curves in a plane, angles, three dimensional geometry, networks, constructions, translations and rotation, and coordinate geometry. (Prerequisite: 19 Math ACT or satisfactory placement test scores or completion of all Competencies in Learning Support Math.) (TE)

MATH 1530 Elementary Statistics (3)
 An introduction to elementary statistical methods. Topics covered include mean, standard deviation, standard scores, probability of events, binomial

and normal distribution, linear correlations, sampling, hypothesis testing, goodness of fit, analysis of variance. (A) Prerequisite 19 Math ACT or satisfactory placement test scores or completion of at least 3 of 5 Competencies in Learning Support Mathematics **OR** (B) Co-requisite enrollment in Learning Support Mathematics (MATH 0530). (T)

MATH 1630 Finite Mathematics (3)

An introduction to finite mathematics, including linear, polynomial, exponential, and logarithmic functions, linear systems of equations and inequalities, mathematics of finance (interest, annuities, amortization), linear programming, and matrix algebra with applications in these areas. (22 Math ACT or satisfactory placement test scores, **OR** MATH 1000 or MATH 1130.) (T)

MATH 1710 Precalculus Algebra (3)

A precalculus course including, but not limited to, selected algebraic topics pertaining to: properties and graphs of polynomial, rational, exponential, logarithmic, and other functions (including piecewise-defined functions); solving systems of equations (with applications); matrices in the context of solving systems of linear equations; sequences; and series. (Prerequisite: 22 Math ACT or satisfactory placement test scores or MATH 1000.) (T)

MATH 1720 College Trigonometry (3)

A study of trigonometric functions with applications. Topics covered include trigonometric graphs, identities, inverse functions, vectors, complex numbers, exponential and logarithmic functions, right and oblique triangle with applications. (Course is offered Spring only.) (Prerequisite: 22 Math ACT with four years of high school math which includes precalculus or MATH 1710 or special permission of the mathematics department.) (T)

MATH 1730 Pre-Calculus (4)

An integrated study of the algebra and trigonometry needed to successfully attempt calculus. Algebraic topics include: properties and graphs of polynomial, rational, exponential, logarithmic, and other functions (including piecewise-defined functions); solving systems of equations (with applications); and matrices in the context of solving systems of linear equations. Trigonometric topics include: trigonometric graphs; identities, inverse functions; polar coordinates; and right and oblique triangles with applications. (Prerequisites: 22 ACT Math or other satisfactory placement test score, **OR** MATH 1000 **OR** MATH 1130.) (T)

MATH 1830 Applied Calculus (3)

A survey of differential and integral calculus with applications. Topics include limits, the derivative, differentiation techniques, exponential and logarithmic functions, integration, applications of differentiation and integration. For students not planning to major in engineering or mathematics. (Prerequisite: 22 Math ACT or satisfactory placement test scores, **OR** MATH 1130 or MATH 1630 or MATH 1710 or MATH 1730.) (T)

MATH 1910 Calculus and Analytic Geometry I (4)

Limits, derivatives of algebraic, trigonometric, logarithmic, and exponential functions, applications of derivatives, antiderivatives and indefinite integrals. (Prerequisite: 22 Math ACT with four years of high school mathematics which includes precalculus or MATH 1710, MATH 1720 or MATH 1730 or special permission of the mathematics department.) (T)

MATH 1920 Calculus and Analytic Geometry II (4)

Definite integral, applications of the definite integral, techniques of integration, indeterminate forms, infinite sequences and series, and parametric equations and polar coordinates. (Course is offered Spring only.) (Prerequisite: MATH 1910.) (T)

MATH 2010 Linear Algebra (3)

An introduction to topics in linear algebra including linear systems, matrices and matrix algebra, determinants, vectors and vector spaces, inner product spaces, eigenvalues and eigenvectors, and linear transformations. (This course does not fulfill the General Education core requirements for graduation or transfer.) (Course is offered Spring only.) (Prerequisite: MATH 1910.) (T)

MATH 2110 Calculus and Analytic Geometry III (4)

Three dimensional analytic geometry and vectors, partial derivatives, multiple integrals, vector calculus. (Course is offered Fall only.) (Prerequisite: MATH 1920.) (T)

MATH 2120 Differential Equations (3)

Methods of solving linear differential equations, applications, series solutions, systems of linear differential equations, graphical and numerical

methods, and Laplace transforms. (Course is offered Spring only.) (Prerequisite: MATH 2110.) (T)

Music

MUS 1030 Music Appreciation (3)

An introduction to music with emphasis on developing listening skills. A broad spectrum of musical styles is covered including contemporary trends and a synopsis of Western music history. (Corequisite or Prerequisite: Satisfactory placement test scores and completion of all Competencies in Learning Support Reading and Writing.) (T)

MUS 1110 Music Theory I (3)

A study of basic materials in music theory, such as notation, rhythms, intervals, scales, triads, and key signatures. (Course is offered Spring only.) (Prerequisite: MUS 1810 with a grade of C or higher or satisfactory score on theory diagnostic exam taken prior to the beginning of the fall semester.) Corequisite: MUS 1111.) (T)

MUS 1111 Aural Skills I (1)

Singing diatonic melodies in both major and minor keys using scale degree numbers, rhythmic reading including division of the beat in simple and compound meters, melodic dictation of scale wise melodies and arpeggiation of tonic and dominant, interval recognition, harmonic dictation of I, II, IV and V chords, rhythmic dictation in simple and compound meters. (Corequisite: MUS 1110) (T)

MUS 1120 Music Theory II (3)

A study of harmony and melody including chord symbols and types; basic harmonic progressions; four-voice texture; non-chord tones; harmonic progressions and inversions. (Course is offered Fall only.) (Prerequisite: MUS 1110; Corequisite: MUS 1121.) (T)

MUS 1121 Aural Skills II (1)

Continued singing with scale degree numbers, diatonic melodies of more advance difficulty, including minor key melodies and adding alto and tenor clefs, melodic dictation including all diatonic intervals and disjunct melodies, harmonic dictation including all diatonic chords and recognition of non-chord tones, rhythmic dictation using more complex rhythmic division in simple and compound time. (Corequisite: MUS 1120) (T)

MUS 1130 Instrumental Performance Ensemble (1)

Instrumental Performance Ensemble is designed to allow students the opportunity to advance their musical skills by performing classical, popular and jazz music at various college functions. Course may be repeated for a maximum of 4 credit hours. Four semesters of this course are required for music majors with an instrumental emphasis. (For all students: an audition is required prior to registration.) (T)

MUS 1410 College Chorus (1)

College Chorus is a vocal ensemble that rehearses and performs choral literature representative of various historical periods and styles. Course is open to all Columbia State students and may be repeated for a maximum of 4 credits. (The course meets 3 hours per week.) Four semester hours are required for music majors with a vocal or choral emphasis. (For all students: an audition is NOT required but singing experienced is preferred.) (T)

MUS 1510 Class Voice I (1)

Small group instruction in basic vocal techniques of commercial music. These techniques include posture, breath control, tone quality and diction. Some music-reading skills expected. Course may be repeated for a maximum of two credits. (Prerequisite: Admission into the Commercial Entertainment Program.) 1 hr. lecture/lab. (TE)

MUS 1520 Class Voice II (1)

Continuation of vocal techniques in Class Voice I, with additional study of vocal flexibility, uniform tone quality, repertoire, and extending the vocal range. Course may be repeated for a maximum of two credits. (Prerequisite: MUS 1510.) 1 hr. lecture/lab. (TE)

MUS 1610 Class Piano I (1)

Instruction in the rudiments of piano including such skills as note reading, basic chord progressions, coordination exercises, penta scales and simple keyboard repertoire. Course is open to all students. This is a required course for music majors. 2 hrs. lecture/lab. (T)

MUS 1620 Class Piano II (1)

Keyboard skills include harmonization of melodies, transposition, sight

reading, basic chord progressions, scales and arpeggios in both major and minor keys and more advanced keyboard repertoire. Course is open to all students. This is a required course for music majors. (Prerequisite: MUS 1610). 2 hrs. lecture/lab. (T)

MUS 1800 Choral Lab (1)
Ensemble performance of commercial selections. Practice in sight reading will be given. Actual performance presentations will be included in the course. Class meets 3 hours per week. Course may be repeated for a maximum of 4 credits. (TE)

MUS 1810 Fundamentals of Music I (3)
Provides the student with basic knowledge of notation, scales, keys, rhythm and intervals. Practice in sight singing, dictation and part-writing will be given. (TE)

MUS 1820 Fundamentals of Music II (3)
A continuation of Fundamentals of Music I. Triads and their inversion, voice leading, part writing and musical analysis will be studied along with further practice in sight singing and dictation. (Prerequisite: MUS 1810.) (TE)

MUS 1850 Musical Keyboarding I (1)
Acquaints beginning piano students with the keyboard. Includes such skills as note reading, basic chords for harmonization of melodies, improvisation and basic exercises for development of coordination and technique. (TE)

MUS 1860 Musical Keyboarding II (1)
A continuation of MUS 1850 with exercises for development of coordination and technique, transposition, repertory and sight reading. (TE)

MUS 1910 Individual Piano I (2)
Private instruction in piano beginning at the student's level of proficiency. One hour lesson per week. Course may be repeated for a maximum of 4 credits. (T)

MUS 1920 Individual Piano II (2)
Intermediate private instruction in piano. One hour lesson per week. Course may be repeated for a maximum of 4 credits. (Prerequisite: MUS 1910 or permission of the instructor.) (T)

MUS 1930 Individual Voice I (2)
Private instruction in voice beginning at the student's level of proficiency. One hour lesson per week. Course may be repeated for a maximum of 4 credits. (T)

MUS 1940 Individual Voice II (2)
Intermediate private instruction in voice. One hour lesson per week. Course may be repeated for a maximum of 4 credits. (Prerequisite: MUS 1930 or permission of the instructor.) (T)

MUS 1950 Individual Guitar I (2)
Private instruction in guitar beginning at the student's level of proficiency. One hour lesson per week. Course may be repeated for a maximum of 4 credits. (T)

MUS 1960 Individual Guitar II (2)
Intermediate instruction in guitar. One hour lesson per week. Course may be repeated for a maximum of 4 credits. (Prerequisite: MUS 1950 or permission of the instructor.) (T)

MUS 2110 Music Theory III (3)
A study of harmony and melody in chromatic styles; Neapolitan and augmented sixth chords; modulation; ninth chords; eleventh and thirteenth chords; concluding with a study of the final expansion of the major-minor tonality system; added tones; quartal harmony; synthetic scales; polytonality; pandiatonicism; form and style analysis; serial composition; avant-garde styles. (Course is offered Spring only.) (Prerequisite: MUS 1120.) (Corequisite: MUS 2111) (T)

MUS 2111 Aural Skills III (1)
Singing chromatic melodies with secondary harmonies and modulation, melodic dictation including modulation to closely related keys, interval recognition, rhythmic reading including subdivision of the beat in simple and compound meters and syncopation, chord quality identification. (Corequisite: MUS 2110.) (T)

MUS 2140 Advanced Private Instruction (2)
For students who wish to continue studying an instrument on which they

have received prior instruction. Course may be repeated for a maximum of 4 credits. (Prerequisite: permission of the Humanities and Social Sciences Division dean.) (TE)

MUS 2200 History of Musical Theatre (3)
A study of the history of style and techniques of dance for musical, comedy, opera, television, and stage plus choreography for these forms. (Course is offered Spring only.) (TE)

MUS 2210 Survey of Music Literature (3)
A comprehensive course exploring significant composers and their compositions. The course begins with works from the 14th century and extends through the 20th century. An extensive amount of listening will be required. (TE)

MUS 2330 Electronic Music I (3)
Principles of electronic digital sound synthesis, history of electronic music, programming the digital music, use of computer music program(s), electronic composition and contemporary trends in digital music. (Prerequisite: permission of the instructor.) (TE)

MUS 2350 Digital Audio Recording (3)
This course is designed to further develop MIDI sequencing skills as well as introduce the concepts of digital audio recording. Development is encouraged in the qualities necessary to obtain professional work in the commercial music industry. Along with development, special attention is given to selecting material appropriate to the student's skill level. Students should expect to spend at least two additional hours per week on team-based lab assignments. (Course is offered Fall only.) (This course is only open to CEN Department majors or permission of instructor.) (NT)

MUS 2360 Digital Music Production (3)
The study and practical application of producing music compositions for the songwriter, vocalist, and instrumentalist. This course gives an overview of the pre-production, in-production, and post-production aspects of recording music and original material. Course topics include: demo budgeting for musicians, proper protocol for working with session musicians, digital audio mixing and mastering techniques, and conversion of audio files to multiple formats. Student should expect to spend at least two additional hours per week on team-based lab assignments. (Course is offered Spring only.) (NT)

Nursing

Students must be accepted into the Nursing Program before they can register for NUR courses.

NUR 121 Math Applications for Nursing (1)
This course focuses on the arithmetic of dosages and solutions used by the practicing nurse. Topics include the metric, apothecary, and household systems, dosages in units and milliequivalents, dry powdered drugs and calculations of IV flow rates. (Corequisites: NUR 1115 and NUR 1118 or permission of the Nursing Program director.) 1 hr. per week. (NT)

NUR 122 Pharmacology (2)
Pharmacology introduces major classifications of drugs. The study of each classification will include general characteristics, mechanism(s) of action, expected results, side effects, and nursing implications. Application of the nursing process will be included throughout this course. Representative drugs for each category will be identified. (Prerequisite: Completion of NUR 1115, NUR 1118, NUR 121 or permission of the Nursing Program director.) (Corequisites or Prerequisites: NUR 1126, NUR 1127 and NUR 1128.) 2 hrs. lecture per week; 30 hrs. total. (NT)

NUR 294 Coordinated Cooperative Student Externship (6)
An elective clinical practicum of planned and supervised clinical experiences will be given in association with an R.N. mentor. Seminar and independent research study will be utilized to meet course requirements for work-study experience. Students will spend approximately 300 hours in a clinical affiliate on day, evening, or weekend shifts. Enrollment is limited to qualified students (see Nursing Program director). (Prerequisite: A minimum of a "C" average in NUR 1115, NUR 1126, NUR 1127, NUR 121 and NUR 122.)

NUR 1115 Nursing Foundations Practice (5)
This course, the first of a series of four courses, introduces students to knowledge, processes and skills needed to plan and give nursing care to patients. The concepts on which the nursing curriculum is developed are introduced and will be integrated throughout successive courses. These include stress-adaptations, basic needs, nursing process, growth and

development, communication, history and trends, pharmacology, management, and legal and ethical issues. Course content focuses on basic human needs for elimination, circulation, oxygen, temperature control, comfort, sleep, stimulation, activity-exercise, salt-water balance, and biological safety. Alterations in basic needs are included. Successful completion of NUR 1115, NUR 1118, and NUR 121 are necessary in order to move to the next semester. (Prerequisites: Admission to the Nursing Program [see College Catalog]; BIOL 2010.) (Corequisites: NUR 1118, NUR 121, BIOL 2020 and PSYC 1030.) 5 hrs. lecture per week. (NT)

NUR 1118 Nursing I Clinical and Skills Lab (2)

This course, the first of a series of four clinical courses, introduces students to knowledge, processes and skills needed to plan and give nursing care to patients. All basic nursing skills except IV therapy are introduced. Campus laboratory experiences are designed to assist the student to develop assessment, cognitive and psychomotor skills related to basic needs and alterations in basic needs. Clinical experiences are designed to assist the students in applying the nursing process to the healthcare of adults in meeting altered basic needs in long term and acute care facilities. (Prerequisite: BIOL 2010.) (Corequisites: NUR 1115, NUR 121, BIOL 2020 and PSYC 1030.) 4 hrs. clinical, 2 hrs. campus lab. (NT)

NUR 1126 Basic Medical-Surgical Nursing (3)

This course continues to focus on patients' basic needs with emphasis on the nursing process to establish and maintain a safe environment. Students are introduced to basic concepts of medical-surgical nursing including: fluid and electrolytes, nutritional support, and nursing care of patients with neoplasms. The course covers alterations in health related to special sensory disorders and men's reproductive health. All units contain physical, cultural and psychological stressors which are considered as co-contributors to the development of various disease processes. Development stages, pharmacology, nutrition, communication, history, trends, community and legal/ethical are integrated throughout the course. Specific stressors interfering with regulation, nutrition, homeostasis, elimination and adaptive coping patterns are examined in terms of the nursing process. Specific patient problems and the influence on other basic needs, as described by Maslow, are identified. (Prerequisites: NUR 1115, NUR 1118, NUR 121, BIOL 2010, BIOL 2020, and PSYC 1030) (Corequisites: NUR 1128.) (Corequisite or Prerequisite: NUR 122, NUR 1127, BIOL 2230, and PSYC 2130.) 3 hrs. lecture per week. (NT)

NUR 1127 Health of Women and Infants (2)

This course continues to focus on patients' basic needs with emphasis on the nursing process to establish and maintain a safe environment. Students are introduced to the childbearing patient and family, and issues affecting women's and infant's health. All units contain physical and cultural factors that may contribute to the development and treatment of disease processes. Childbearing content will focus on basic needs of the childbearing patient and family, with the main focus on the nursing process throughout the antepartal, intrapartal, post-partal and neonatal period. Common complications of all phases of the childbearing cycle are included. Coexisting conditions that influence pregnancy are introduced and considered in depth in succeeding courses. Pharmacology, nutrition, community resources, legal/ethical issues, communication and cultural factors are integrated throughout the course. (Prerequisites: NUR 1115, NUR 1118, NUR 121, BIOL 2010, BIOL 2020, and PSYC 1030) (Corequisite: NUR 1128.) (Corequisite or Prerequisite: NUR 122, NUR 1126, BIOL 2230, and PSYC 2130.) 2 hrs. lecture per week (NT).

NUR 1128 Nursing II Clinical (2)

This is the second clinical course that continues to focus on basic needs with emphasis on nursing interventions to establish and maintain a biologically and chemically safe environment. All IV therapy nursing skills are covered. Clinical laboratory provides experiences in applying the nursing process to meeting selected basic needs of patients in the general hospital setting and to childbearing families. The main focus of the childbearing clinical experiences will be on nursing interventions utilized during the normal antepartal, intrapartal, post-partal and neonatal period. Common complications of all phases of the childbearing cycle are included. (Prerequisites: NUR 1115, NUR 1118, NUR 121, BIOL 2020 and PSYC 1030) (Corequisite or Prerequisites: NUR 1126, NUR 1127, NUR 122, BIOL 2230 and PSYC 2130.) 6 hrs. clinical per week. (NT)

NUR 2116 Intermediate Med-Surg Nursing (4)

This course introduces the student to nursing care for patients of all ages. The course covers alterations in health related to immune disorders; hematopoietic disorders; endocrine disorders; gastrointestinal disorders;

hepatic, pancreatic, and biliary disorders; and renal/urinary disorders. All units contain physical, cultural and psychological stressors which are considered as co-contributors to the development of various disease processes. Development stages, pharmacology, nutrition, communication, history, trends, community and legal/ethical threads are integrated throughout the course. Specific stressors interfering with regulation, nutrition, homeostasis, elimination and adaptive coping patterns are examined in terms of the nursing process. Specific patient problems and the influence on other basic needs, as described by Maslow, are identified. (Prerequisites: NUR 1126, NUR 1127, NUR 1128, NUR 122, all science classes and PSYC 2130)(Corequisite: NUR 2118. (Corequisite or Prerequisite: NUR 2117, NUR 2188 and NUR 2189.) 4 hrs. lecture per week. (NT)

NUR 2117 Psychiatric/Mental Health Nursing (2)

This course introduces the students to psychiatric nursing care. Specific psychiatric disorders will be discussed in depth, as well as psychiatric disorders throughout the life span. General principles of psychiatric/mental health nursing will be presented. All units contain physical, cultural and psychological stressors which are considered as co-contributors to the development of various illnesses. Development stages, pharmacology, nutrition, communication, history, trends, community and legal/ethical are integrated throughout the course. (Prerequisites: NUR 1126, NUR 1127, NUR 1128, NUR 122, all science classes and PSYC 2130) (Corequisite: NUR 2118.) (Corequisites or Prerequisite: NUR 2116, NUR 2188, and NUR 2189.) 2 hrs. lecture per week. (NT)

NUR 2118 Nursing III Clinical (3)

This clinical course introduces the students to nursing care for patients of all ages with stressors affecting: alterations in mental health and behavior, autoimmune disorders, endocrine, hepatic, biliary, gastrointestinal, urinary/renal, and hematopoietic functioning. Specific alterations in health interfering with regulation, nutrition, homeostasis, elimination and adaptive coping patterns are examined in terms of the nursing process. Clinical experiences provide opportunities for the application of the nursing process to the care of the child and adult populations in medical centers, mental health facilities and other clinical agencies. The student is guided in the application of management principles in organization and providing nursing care for greater numbers of patients and/or patients with higher acuity needs. In addition, various outpatient clinical facilities are utilized to augment clinical laboratory experiences. (Prerequisites: NUR 1126, NUR 1127, NUR 1128, NUR 122, all science classes and PSYC 2130.) (Corequisites or Prerequisite: NUR 2116, NUR 2117, NUR 2188 and NUR 2189.) 9 hrs. clinical per week. (NT)

NUR 2125 Advanced Med-Surg Nursing (6)

This course is the final course in the program of study. It provides learning experiences in caring for patients of all ages with stressors of respiratory, cardiovascular, musculoskeletal, neurosensory and special sensory function. Concepts and principles of management, as well as various methods of delivery of nursing care, are included. The nursing process is the framework for theory and clinical practice. Specific alterations in health and their influence on basic needs, as described by Maslow, are identified. Attention is given to psychological, social, cultural and physical contributions to the development of these alterations in health. Since alterations in health of each of these systems may result in life crisis and require changes in lifestyle patterns, attention is given to crisis intervention, coping with chronic illness, body image changes, and altered family patterns in illness. Developmental stages, life-span concepts, pharmacology, nutrition, communication, history trends, legal/ethical aspects and community resources are integrated. (Prerequisites: NUR 2116, NUR 2117, and NUR 2118) (Corequisite: NUR 2128.) (Corequisites or Prerequisite: NUR 2188, NUR 2189, NUR 2198, and NUR 2199.) 6 hrs. lecture per week. (NT)

NUR 2128 Nursing IV Clinical (3)

This is the final clinical course in the program of study. It provides learning experiences in caring for patients of all ages with stressors of respiratory, cardiovascular, musculoskeletal, neurosensory, and special sensory function. Concepts and principles of management, as well as various methods of delivery of nursing care, are included. The nursing process is the framework for clinical practice. Developmental stages, life-span concepts, pharmacology, nutrition, communication, history trends, legal/ethical aspects and community resources are integrated. Clinical experiences are provided to assist students in applying the nursing process and Maslow's hierarchy of needs in the care of individuals and groups of patients in general hospitals, and other clinical agencies. Application of management principles to groups of patients is implemented during the

semester. (Prerequisites: NUR 2116, NUR 2117, NUR 2118, NUR 2188 and NUR 2189.) (Corequisite: NUR 2125.) (Corequisites or Prerequisite: NUR 2198 and NUR 2199.) 9 hrs. clinical per week. (NT)

NUR 2188 Applying Surgical Concepts (1)

This course focuses on the integration of all theory and clinical objectives, including the transition from student nurse to graduate nurse. The major emphasis will be on surgical clinical scenarios. Topics to be covered will include care of the perioperative patient, pain management in adults, dosage calculations, and the application of intravenous therapy principles. (Prerequisites: NUR 122, NUR 1126, NUR 1127 and NUR 1128.) (Corequisites: NUR 2116, NUR 2117, NUR 2118, and NUR 2189.) (NT)

NUR 2189 Applying Psychiatric Concepts (1)

This course focuses on the integration of all theory and clinical objectives, including the transition from student nurse to graduate nurse. The major emphasis will be on psychiatric/mental health nursing clinical scenarios. Topics to be covered will include bipolar disorder, suicide, schizophrenia, Alzheimer's, nursing research, resume writing, communication, professionalism, licensure and continuing education. (Prerequisites: NUR 122, NUR 1126, NUR 1127 and NUR 1128.) (Corequisites: NUR 2116, NUR 2117, NUR 2118, and NUR 2188.) (NT)

NUR 2198 Applying Pediatric Concepts (1)

This course focuses on the integration of all theory and clinical objectives, including the transition from student nurse to graduate nurse. The major emphasis will be on pediatric nursing clinical scenarios. Topics to be covered will include end of life, pain, IV calculations, dosage calculations, pediatric medication administration and immunizations. (Prerequisites: NUR 2116, NUR 2117, NUR 2118, NUR 2188, and NUR 2189.) (Corequisites: NUR 2125, NUR 2128 and NUR 2199.) (NT)

NUR 2199 Applying Medical Concepts (1)

This course focuses on the integration of all theory and clinical objectives, including the transition from student nurse to graduate nurse. The major emphasis will be on medical nursing clinical scenarios. Topics to be covered will include end of life, time management/delegation and medical economics. (Prerequisites: NUR 2116, NUR 2117, NUR 2118, NUR 2188, and NUR 2189.) (Corequisites: NUR 2125, NUR 2128 and NUR 2198.) (NT)

Office Administration

OFA 101 Introduction to Word Processing (3)

This course is for development of techniques in touch typing and the introduction of skills involved in presentation of the keyboard, and the various parts of the computer. The emphasis is on formatting business documents, proper technique, speed and accuracy. (NT)

OFA 103 Keyboarding (1)

This course introduces the student to touch keyboarding with an emphasis on developing correct techniques, building speed and accuracy. (Course may be waived if 1/2 unit of high school keyboarding credit has been earned.) (NT)

OFA 132 Records Management (3)

This course is a study of the proper management, storage, retrieval, and disposal of records. Application of filing classification skills using the Association of Records Managers and Administrators' filing rules is covered. Procedures for electronic storage and retrieval are also introduced. (Course is offered Fall only.) (Prerequisite: INFS 1010.) (NT)

OFA 205 Business Documents and Publishing (3)

This course is a study of the various types of business documents and the methods used to publish the documents. Course topics include generating form letters, mailing labels, and directories; creating documents with tables, charts, and watermarks; creating brochures and newsletters using columns, and graphics; creating reference documents and online forms; and generating other documents created in an office setting. Word processing and desktop publishing software will be used in the course. (Course is offered Fall only.) (Prerequisite: INFS 1010 and OFA 101.) (NT)

OFA 210 Event Management (3)

This is an introductory class that will provide the student insight into the industry of special events and the role the meeting and event professional plays in it. Topics include vendors, contracts, fundraising, budgeting, ethics and more. (NT)

OFA 240 Medical Terminology (3)

A study of the language of the allied health sciences and medicine with emphasis on body systems, prefixes, suffixes, root terms, pronunciation and spelling. (NT)

OFA 242 Medical Transcription (3)

Medical documents are transcribed from dictated material with emphasis on productivity and accuracy. (Prerequisites: OFA 101 and OFA 240.) (NT)

OFA 245 Legal Terminology (3)

An introduction to legal terminology through the study of definitions and application of terms within the context of relevant, up-to-date subject matter. (NT)

OFA 246 Legal Transcription (3)

Students will transcribe legal documents from voice dictation using computer and transcribers. (Prerequisites: OFA 101 and OFA 245.) (NT)

OFA 281 Medical Office Assistant (3)

A study of the career of a medical office assistant including medical ethics, communications, billing and collections, and insurance in the medical office. (Prerequisite: INFS 1010.) (NT)

Philosophy

PHIL 1030 Introduction to Philosophy (3)

An introduction to the basic problems of philosophy and a consideration of representative types of philosophical thought concerning people, nature, knowledge, and values. (Prerequisite: satisfactory placement test scores or completion of all Competencies in Learning Support Reading or permission of the instructor.) (TE)

PHIL 1033 Introduction to Logic and Critical Thinking (3)

This course presents a basic introduction to the various forms of reasoning used to make and to analyze the validity and soundness of arguments. This course focuses both on informal and formal logical processes. (TE)

PHIL 2030 Introduction to Ethics (3)

This course is designed to introduce the student to various ethical theories and to show how they apply in both personal and social situations. Emphasis will also be placed on different types of professional problems involving ethical concerns. (TE)

PHIL 2033 Major World Religions (3)

This course presents a survey of the five major world religions today--including, their historical development, their basic tenets, their rituals and practices and their cultural influences. (TE)

Physical Education

PHED 1010 Golf (1)

Acquaints the beginning player with correct swing, selection and use of various clubs, and basic skills with practice application on the golf course. (Course is offered Spring only.) (TE)

PHED 1110 Tennis I (1)

Emphasis on basic strokes, movement, rules, terminology and play techniques for the beginner. (Course is offered Fall only.) (TE)

PHED 1120 Tennis II (1)

Improvement and refinement of strokes and serve. Strategy, tactics, and game procedures for competition. (Course is offered Spring only.) (Prerequisite: PHED 1110 or permission of the instructor.) (TE)

PHED 1210 Physical Conditioning (1)

Instruction and practice in maintaining personal physical fitness through exercise and aerobic activity. (TE)

PHED 1212 Yoga (1)

Anyone who's interested in learning about yoga and how to perform yoga exercises is welcome to enroll in this class. This course will not require you to have previous experience in any particular area but you should have a high school reading level. No books will be required. The will meet in the Wellness Center. Learn the rules, fundamentals, skills and strategies of yoga. Learn how to correctly execute required skills and techniques as well as to use the equipment/facilities safely. Understand how kinesiology relates to a healthy individual lifestyle. (TE)

PHED 1214 Introduction to Martial Arts/Self Defense (1)
This is a physical activity for men and women. This course is designed to teach the study of coordinating mind and body in the practice of martial arts and self-defense "mentality" is also stressed. The class will meet in the Wellness Center. (TE)

PHED 1310 Racquetball (1)
Instruction and actual practice in the fundamentals of play, essential rules, basic etiquette, and safety for play. (TE)

PHED 1510 Softball (1)
Provides an overview of fundamental skills (catching, hitting and throwing), rules and safety of the game. (TE)

PHED 1610 Volleyball (1)
Emphasis on fundamental skills and techniques used in volleyball. Limited tournament play. (Course is offered Spring only.) (TE)

PHED 1710 Badminton (1)
Emphasis on fundamental skills, basic strategies, rules, and etiquette for play. Exposure to playing tournaments. (Course is offered Fall only.) (TE)

PHED 1810 Soccer (1)
Introduces basic fundamentals and techniques for play. Little or no experience is necessary. (TE)

PHED 1910 Touch Football (1)
Development of skills in basic fundamentals and techniques through team play. (TE)

PHED 2010 Weight Training (1)
Various training programs are presented. Emphasis on warm-ups, stretching, individual exercises, running, and use of weight machines. Encourages continuation and self-discipline of exercise. (TE)

PHED 2020 Intro. to Physical Educ., Recreation and Sport Mgmt. (3)
A study of the scope of opportunities the sport and recreation industry presents; the historical, psychological, sociological, and philosophical foundations of sport; and management and organizational concepts and their application in sport and recreation enterprises. Ideal for students majoring in sports management, recreation, exercise, fitness management, physical education or athletic training. (Course is offered Spring only.) (NT)

PHED 2120 Essential Lifetime Wellness (3)
Students will discover their fitness levels and will learn how to maintain fitness levels. Students will be evaluated for strength, flexibility, aerobic fitness, body fat and lung capacity. An exercise and nutrition program will be developed to meet the needs of the individual. Participants in the course will also learn how to reduce personal health risk factors, improve nutrition, control stress, and learn about cultural differences and its impact on health and wellness. (T)

PHED 2220 Introduction to Exercise Science (3)
This course is designed to help students appreciate the importance of physical activity, to introduce the discipline of kinesiology and help students understand its relationship to physical activity, and to expand student knowledge of physical activity professions. (Prerequisites: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Math.) (Corequisite or Prerequisite: Learning Support Writing.) (T)

PHED 2320 Care and Prevention of Athletic Injuries (3)
The student will develop a knowledge of prevention, treatment, and basic rehabilitation of common athletic injuries as commonly seen at the interscholastic level of competition. In addition, the student will be exposed to negligence and liability issues in respect to athletic injuries. (Prerequisites: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Math.) (Corequisite or Prerequisite: Learning Support Writing.) (T)

PHED 2520 Contemporary Dance (1)
Introduces dances which are currently popular in this country. (TE)

PHED 2610 Archery (1)
Basic skills (stance, drawing, aiming, releasing) with strategy of shooting. Correct and safe handling of tackle are emphasized. (TE)

PHED 2710 Basketball (1)
Fundamental skills, rules, and strategies of play. (TE)

Physical Science

PSCI 1030 Physical Science (4)
An introductory course on selected topics in chemistry and physics. (Prerequisites: 2 years of high school algebra and satisfactory placement test scores, or completion of all Competencies in Learning Support Reading and Math.) 3 hrs. lecture, 2 hrs. lab. (TE)

Physics

PHYS 2010 Elements of Physics I (4)
The study of the fundamental laws of mechanics, fluids, sound and heat. (Corequisite or Prerequisite: MATH 1710, or higher level general education approved math class or permission of the instructor.) 3 hrs. lecture, 3 hrs. lab. (T)

PHYS 2020 Elements of Physics II (4)
The study of the fundamental laws of electricity and magnetism, optics, and modern physics. (Prerequisite: PHYS 2010.) 3 hrs. lecture, 3 hrs. lab. (T)

PHYS 2110 Physics I (4)
The study of mechanics and heat. (NOTE: Credit cannot be given for both Physics I and Elements of Physics I or II.) (Corequisite or Prerequisite: MATH 1910.) or (Corequisites: MATH 1720 and MATH 1910 with permission of the Dean of Science, Technology and Math.) 3 hrs. lecture, 3 hrs. lab. (T)

PHYS 2120 Physics II (4)
The study of electricity and magnetism, waves, optics and modern physics. (Prerequisite: PHYS 2110); (Corequisite or Prerequisite: MATH 1920.) 3 hrs. lecture, 3 hrs. lab. (T)

Political Science

POL 201 Introduction to Politics and Government (3)
An examination of the nature of political activity, the concept of the nation-state, comparative political systems (democratic and authoritarian), world politics and the discipline of political science. (TE)

POLS 1030 American Government (3)
A study of democratic theory, the Constitution, federalism, free speech, interest groups, political parties, voting behavior, the presidency, Congress and the Supreme Court. (T)

POLS 1501 Introduction to International Affairs (3)
This course explores the ways in which international affairs have impacted world, economy, politics and vision of separate cultures, countries, and governments. (Prerequisite or Corequisite: ENGL 1010) (T)

POLS 2010 State and Local Government (3)
A study of state and local government in Tennessee with a general survey of state and local government in the United States. (Course is offered Spring only.) (TE)

Psychology

PSYC 1030 General Psychology (3)
One-semester survey course that provides an introduction to the scientific study of behavior and mental processes. Topics include history and research methods, biological aspects of psychology, variations of consciousness, cognitive processes, human development, and personality, motivation, social psychology, and psychological disorders and therapies. Credit may not be earned in both PSY 203 and PSY 101 or PSY 102. (Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Writing.) (T)

PSYC 2110 Psychology of Adjustment (3)
The study of personal and social adjustment as it relates to coping with the demands of everyday life. Topics include self-awareness, healthy management of stress and emotions, interpersonal relationships, the grieving process, and communication techniques. Methods to cultivate personal growth and effective adjustment will be presented. (Course is offered Fall only.) (T)

PSYC 2120 Social Psychology (3)
An introduction to social psychology including interpersonal attraction, interaction between people, person perception, aggression, prosocial behavior, conformity, obedience, attitudes, prejudice, and group processes. (Course is offered Spring only.) (Prerequisite: Satisfactory placement test

scores or completion of all Competencies in Learning Support Reading and Writing.) (T)

PSYC 2130 Life Span Psychology (3)
Psychological and physiological growth and development of the human organism beginning with conception and continuing through aging and death. Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading and Writing.) (T)

Radiologic Technology

Students must be admitted into the Radiologic Technology Program before they can register for RAD courses.

RAD 101 Introduction to Radiography (2)
Provides students with an introduction to radiologic technology. Acquaints students with ethical principles involved in relationships with patients, radiologists, attending physicians, and members of the hospital staff. An introduction to cultural diversity is also included. Medical terminology will be covered as it applies to the specialty of radiology. Emphasizes nursing procedures and techniques used in the radiology department. (NT)

RAD 106 Radiation Physics (2)
An in-depth study of the concepts of radiation physics. Emphasis will be placed on the X-ray machine, circuitry, the X-ray tube and photon production, X-ray interaction with matter, X-ray emission, beam restriction, grids, radiographic film, and image quality. (NT)

RAD 112 Image Production I (2)
This course is designed to provide students with the basic principles of formulating radiographic techniques, image production, and exposure. The student will develop practical exposure techniques and be able to recognize and evaluate qualitative factors in clinical radiographic images. An introduction to both digital and conventional radiography is included. (NT)

RAD 113 Image Production II (2)
This course provides details of the principles of radiographic exposure techniques. It is a continuation of RAD 112, Image Production I, and includes analyzing the image, comparing exposure systems, special imaging systems, PACS, computed radiography and the imaging modalities. In addition, darkroom procedures including chemistry, processing, and quality control will be covered. (Prerequisite: RAD 112.) (NT)

RAD 121 Radiographic Positioning I (3)
Instruction in the anatomy and positioning of the structures and organs of the body, supplemented with practical application in the energized lab and clinical education setting. Precise and detailed information on the various positions will be provided. 3 hrs. lecture, 1 hr. lab and approximately 120 hours over the course of the semester in clinical orientation. (NT)

RAD 122 Radiographic Positioning II (2)
Instruction in the anatomy and positioning of the additional structures of the human body. Classroom instruction is supplemented by practical application in the radiographic lab. 2 hrs. lecture and 1 hr. lab per week. (NT)

RAD 123 Contrast Media Procedures (2)
Students must be admitted to the Radiology program before registering for this course. Anatomy and positioning of the upper and lower gastrointestinal tract, biliary system, urinary system. Included in this course is an introduction to other modalities using contrast media as well as contrast media reactions. (NT)

RAD 190 Radiologic Practicum I (3)
Provides practical clinical experience in diagnostic radiology. Students will be given the opportunity to achieve competency in specific procedures by performing the assigned procedures under direct supervision. Students will be assigned approximately 15 hours per week in a clinical education setting on day and evening shifts. (NT)

RAD 210 Computed Tomography Patient Management (4)
This is one of a three course set in whole body Computed Tomography (CT) imaging. The complete set provides formal specialized training in CT whole body imaging prior to independent performance. Topics included in this course are patient care and management, whole body cross-sectional anatomy, pathology, imaging procedures with protocols, and special procedures in CT. (Prerequisite: Graduate of CAHEA/JRCERT accredited Radiologic Technology Program or accredited Nuclear Medicine Program and certified or eligible for certification by the American Registry of

Radiologic Technologists or CNMT.) (Corequisites: RAD 220, RAD 230) (NT)

RAD 220 Computed Tomography Physics (4)
This is one of a three course set in whole body Computed Tomography (CT) imaging. The complete set provides formal specialized training in CT whole body imaging prior to independent performance. Topics included in this course are history of computed tomography, fundamentals of computers, scanning methods, digital imaging, quality control, and radiation protection. (Prerequisite: Graduate of CAHEA/JRCERT accredited Radiologic Technology Program or accredited Nuclear Medicine Program and certified or eligible for certification by the American Registry of Radiologic Technologists or CNMT.) (Corequisites: RAD 210, RAD 230) (NT)

RAD 230 Computed Tomography Clinic (8)
This course is one of a three course set in whole body Computed Tomography (CT) imaging. The complete set provides formal specialized training in CT whole body imaging prior to independent performance. The clinical component is conducted at an approved clinical education center and requires supervised performance of computed tomography of the head, neck, spine, chest, abdomen, pelvis and musculoskeletal system. Arrangements for clinical education are made by the students to obtain clinical experience with a Columbia State approved CT facility in their geographic area. (Prerequisite: Graduate of CAHEA/JRCERT, accredited Radiologic Technology Program or accredited Nuclear Medicine Program and certified or eligible for certification by the American Registry of Radiologic Technologists or CNMT.) (Corequisites: RAD 210, RAD 220) (NT)

RAD 241 Radiographic Special Procedures (2)
Acquaints students with more advanced imaging procedures using contrast media, including biliary, urinary, reproductive, circulatory, and central nervous systems. Also included are studies using computed tomography, magnetic resonance imaging, and computed radiography. Quality assurance is also covered. (NT)

RAD 251 Survey of Medical and Surgical Diseases (2)
Designed to familiarize students with pathology, injuries, and diseases of the human body commonly encountered in a variety of imaging modalities. Research and team skills are enhanced through group projects. Includes review of the radiologic technologist's role in modification of routines in imaging and treatment of the patient with pathologic conditions. (NT)

RAD 281 Radiologic Review Seminar (2)
This course provides students with an assessment of core knowledge mastery, identification of strengths and weaknesses, and remediation opportunities. Included will be a review of all areas covered in the American Society of Radiologic Technologists (ASRT) curriculum and the American Registry of Radiologic Technologists (ARRT) content outline. Practice tests assess understanding, clinical decision-making skills, and readiness for the certification exam. Students will also demonstrate entry level competencies for professional employment. (NT)

RAD 291 Radiologic Practicum II (6)
Provides additional experience in a clinical education setting. Under indirect supervision, students will continue to perform and document exams in which competency has already been achieved. Demonstration of competency will be required in additional procedures performed under direct supervision. Students will be assigned approximately 37.5 hours per week in a clinical education setting on day and evening shifts. (NT)

RAD 292 Advanced Radiation Physics and Radiobiology (2)
Offers an in-depth study of radiation concepts and radiobiology. Includes review of the impact of technical factors and image processing practices using both screen-film and digital capture methods. An overview of specialized medical imaging and fluoroscopic equipment is provided. The effects of radiation on the human body will be explored including monitoring and exposure reduction for patient, personnel, and the public. (NT)

RAD 294 Radiologic Practicum III (8)
Provides additional opportunities for practical experience in a clinical education setting. Students continue to perform competencies obtained through Practicum I and II under indirect supervision, focusing on proficiency. Students will be given the opportunity to achieve competency in more difficult procedures performed routinely in medical imaging, under direct supervision. Clinical assignments total approximately 30 hours per week on day and evening shifts and may include modality rotations. (NT)

RAD 295 Radiologic Practicum IV (8)
Provides students with practical experience in diagnostic radiology and special modalities within medical imaging. Students will continue to perform all previously achieved competencies under indirect supervision, and will complete remaining required competencies under direct supervision. Successful completion of this course, as well as RAD 251 and 281, will ensure that the student has been given the opportunity to meet or exceed entry-level technologist requirements. Clinical assignments total approximately 30 hours per week on day and evening shifts and will include modality rotations. (NT)

Reading

Dual Enrollment students are not eligible to take 0800 level courses.

READ 0800 Learning Support Reading I (3)
This course focuses on reading completion that demonstrates mastery of essential topics such as vocabulary development, literal comprehension, and inferential comprehension. Student reading assignments will be based on a diagnostic reading assessment. Upon successful completion of the READ 0800 course, the student will have the ability to read, comprehend, and analyze college entry-level passages. The student must master one of the two required Learning Support Reading Competencies to receive a passing grade for this course. (Prerequisite: Reading ACT 0 -12 equivalent; or comparable placement score; Corequisite: ENGL 1010) (This course is institutional credit only.) 3 hrs. lecture/lab. (NT)

READ 0802 Learning Support Reading I (2)
This Reading co-requisite is linked with ENGL1010 and focuses on students mastering Tennessee Board of Regents approved reading competencies that address essential topics such as: vocabulary development, main ideas, major and minor supporting details, inferential reading, critical/logical reading, and strategic reading. Students' reading assignments will be based on diagnostic reading assessments and ENGL1010 reading assignments. This course incorporates online exercises that supplement classroom instruction to support reading projects and assignments in ENGLISH 1010. Upon completion of READ 0802, the student receives two (2) institutional credits. (Prerequisite: ACT Reading 13-18 or equivalent; Co-requisite: English 1010).

Respiratory Care

Students must be admitted into the Respiratory Care Program before they can register for RCT courses.

RCT 101 Fundamentals of Respiratory Care I (4)
Fundamentals of Respiratory Care I provides an introduction to respiratory care as a profession, credentialing and licensure. Basic respiratory care procedures, medical terminology, communication, legal and ethical aspects of patient care, patient's rights, vital signs, body mechanics, isolation, disinfection, and sterilization will be presented. The course will also review the production, storage, and safety of medical gases and piping systems. Gas laws and gas physics will be discussed as they relate to respiratory care. Oxygen, hyperbaric, helium-oxygen, and carbon dioxide-oxygen therapies will be presented as well as humidity and aerosolized medication therapies, basic patient assessment, the effects of altitude on patient care and the effects of smoking. 3 hrs. lecture, 3 hrs. lab per week.(NT)

RCT 102 Fundamentals of Respiratory Care II (4)
Fundamentals of Respiratory Care II presents basic respiratory care modalities such as hyperinflation and bronchial hygiene therapies, and the equipment needed to perform the procedures. Additionally, sputum collection and the effects of aging on patient care will be reviewed. Common laboratory values, thoracic imaging and airway devices will be reviewed. (Prerequisites: A "C" or better must have been achieved in RCT 101, BIOL 2010 and MATH 1530 or MATH 1710.) 3 hrs. lecture, 3 hrs. lab per week. (NT)

RCT 120 Respiratory Care Pharmacology (2)
The Respiratory Care Pharmacology course involves the study of different classes of drugs that affect the cardio-respiratory system. Pharmacodynamics, routes of administration, and drug calculations are included. Indications, mode of action, adverse reactions, and assessment of effectiveness will be reviewed for each drug class. (Prerequisites: RCT 101, BIOL 2010, and MATH 1530 or MATH 1710.) (NT)

RCT 130 Intensive Care Monitoring (4)
Intensive Care Monitoring involves the study of basic dysrhythmias and their

effects on the body and includes hemodynamic assessment and advanced cardiac life support (ACLS) provider training will be provided. (Prerequisites: BIOL 2020 and 2230; RCT 102, 120 and 191.) 3 hrs. lecture, 3 hrs. lab per week. (NT)

RCT 150 Arterial Blood Gases (4)
The Arterial Blood Gas course provides an in-depth study of the basic physiology of oxygen and carbon dioxide transport. Blood sampling and analysis techniques will be developed. Interpretation of arterial blood gas values and their application to patient care will be presented. (Prerequisites: RCT 102, 191 and 120.) 3 hrs. lecture, 3 hrs. lab. (NT)

RCT 191 Clinical Practice I (1)
Clinical Practice I provides an introduction to respiratory care in the acute care hospital. Competence is to be obtained in medical gas therapy, incentive spirometry, humidity and aerosol therapy, and aerosolized drug therapy. (Prerequisite: RCT 101.) 8 hrs. supervised clinical experience per week. (NT)

RCT 192 Clinical Practice II (3)
Clinical Practice II is an application of topics discussed in previous and current respiratory care courses in the healthcare setting. Competence is to be obtained in arterial blood sampling, IPPB and CPPD. Clinical experience will be obtained in blood gas analysis and machine maintenance and QC. (Prerequisites: RCT 102, 120 and 191.) 24 hrs. supervised clinical experience per week. (NT)

RCT 212 Pulmonary Functions/Seminar (4)
The Pulmonary Functions/Seminar course studies the application, performance, and interpretation of complete pulmonary function studies and exercise testing. Other topics presented include metabolic assessment, bronchoscopy, and pulmonary rehabilitation. The student's overall respiratory care knowledge will be assessed using comprehensive exams. Preparation for national credentialing exams will also be provided. Successful completion of this course requires passing a comprehensive exam styled after the national written registry exam. (Prerequisites: RCT 221, 242 and 293.) 3 hrs. lecture, 3 hrs. lab. (NT)

RCT 221 Mechanical Ventilation (4)
Mechanical ventilation discusses the techniques of mechanical ventilation including initiation, management and weaning, airway care, chest tube systems, ventilator graphic analysis, extubation and end of life issues. (Prerequisites: RCT 130, 150 and 192.) 3 hrs. lecture, 3 hrs. lab. (NT)

RCT 242 Respiratory Pathophysiology (3)
The Respiratory Pathophysiology course studies the etiology, pathophysiology, presentation and treatment of common pulmonary diseases and sleep disorders. Disease presentation and treatment will in part be presented, practiced and assessed by using various computer training programs. (Prerequisites: RCT 130, 150 and 192.) 3 hrs. lecture. (NT)

RCT 252 Neonatal/Pediatric Respiratory Care (4)
The Neonatal/Pediatric Respiratory Care course studies the etiology, pathophysiology, presentation and treatment of common neonatal and pediatric pulmonary diseases. Fetal lung development and the birth process will be reviewed giving special emphasis to pulmonary changes, complications, and newborn assessment. Disease presentation and treatment will in part be presented, practiced and assessed by various computer training programs. Neonatal mechanical ventilation techniques will be discussed. Pediatric advanced life support (PALS) provider training will be provided. (Prerequisites: RCT 221, 242 and 293.) 3 hrs. lecture, 3 hrs. lab. (NT)

RCT 293 Clinical Practice III (4)
Clinical Practice III is an application of topics discussed in previous and current respiratory care courses in the healthcare setting. Competence is to be obtained in the initiation, maintenance, weaning, extubation of patients being mechanically ventilated and suctioning. Sleep testing will also be presented. (Prerequisites: RCT 130, 150 and 192.) 24 hrs. supervised clinical experience per week. (NT)

RCT 294 Clinical Practice IV (4)
Clinical Practice IV is an application of topics discussed in previous and current respiratory care courses in the healthcare setting. Clinical experience will be gained in neonatal and pediatric mechanical ventilation techniques, pulmonary function testing, intubation and bronchoscopy. 24 hrs. supervised clinical experience per week. (Prerequisites: RCT 221, 242 and 293.) (NT)

Social Work

SWRK 2010 Introduction to Social Work (3)
This course provides an introduction to the social work profession. Because the field of social work draws on the academic disciplines of sociology and psychology, students will gain insight into the social and environmental factors that influence individual lives. Students will become acquainted with the challenges and rewards of social work. Social service agencies, as well as current social policies, will also be discussed. Other topics will include social work practice in family and children's services, healthcare, schools, criminal justice, substance abuse, and workplace settings. (T)

Sociology

SOC 210 Cultural Anthropology (3)
Cultural Anthropology is the study of human culture across global societies. This course involves a comparative examination of human cultures across time and space and will introduce students to history, methods, and theories of anthropology. Primary attention will be given to the topics of religion, marriage and kinship, economics, warfare, and globalization. (TE)

SOCI 1010 Introduction to Sociology (3)
Sociology is the systematic study of human society. This introductory course will provide an assessment of how social forces, institutions, and inequality influence human interaction. Topics of study include: culture, crime, economy, government, media, family, religion, education, race, ethnicity, poverty, and gender. (T)

SOCI 1020 Social Problems (3)
This sociology course examines quality of life issues and contributing factors to social problems with a focus on deviance and inequality. Topics of study include sexual deviance, crime and violence, substance abuse, poverty, and inequality of gender, race, and ethnicity. Problems in government and the economy, along with global social problems, such as war, terrorism, and environmental issues will also be covered. (Prerequisite: Students are strongly encouraged to take SOCI 1010 prior to taking SOCI 1020.) (Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Writing.) (T)

SOCI 2010 Marriage and Family (3)
This course examines the family as a social institution with an emphasis on both men's and women's changing roles in the American family. Topics will include: family background, mate selection, sexuality, family finances, effective relationship communication, parenthood, marital conflict, relationship abuse and violence, and issues concerning step families. (TE)

Spanish

SPAN 1010 Beginning Spanish I (3)
Essentials of Spanish elementary grammar, pronunciation, conversation, and simple readings. Laboratory required. (T)

SPAN 1020 Beginning Spanish II (3)
Continuation of Beginning Spanish I. (Prerequisite: SPAN 1010 or permission of the instructor.) Laboratory required. (T)

SPAN 2010 Intermediate Spanish I (3)
Reading intermediate Spanish texts, grammar review, and oral practice. (Prerequisite: SPAN 1020 or permission of the instructor.) Laboratory required. (T)

SPAN 2020 Intermediate Spanish II (3)
A continuation of Intermediate Spanish I with emphasis on Spanish readings and oral practice. (Prerequisite: SPAN 2010 or permission of the instructor.) Laboratory required. (T)

Speech

SPCH 1010 Fundamentals of Speech Communication (3)
A course in interpersonal/intrapersonal aspects of communication focusing on public speaking (persuasive, informative, media, and small group) presentations. Also covers communication history, critical thinking, multicultural and mass media communication styles. (Prerequisite: ENGL 1010 or 25 ACT English.) (T)

SPCH 1020 Interpersonal Communication (3)
The study and practice of dynamic interactions amongst individuals and groups. Foci include transactions at work, tasks, and committees to achieve

meaningful results: activities, outcomes, recommendations and decisions. (T)

SPCH 1030 Argumentation and Debate (3)
This course introduces students to logical and rhetorical analyses of speech, writing, and thinking. The greatest emphasis will be in understanding the nature of logical proof, although ethical proof must be considered as well. (Prerequisite: ENGL 1010 or 25 ACT English.) (T)

SPCH 2020 Organizational Communication (3)
Basic principles of communication within organizations. Topics and activities may include organizational/communication theory, group problem solving, case studies, interviewing, and formal presentations. (Prerequisite: ENGL 1010.) (TE)

Stage Crew Technology

SCT 1010 Rigging and Fly Systems (3)
Advanced instruction in the principles and practices of the stage technician. The student will practice the installation of temporary and permanent stages, safe operation of ladders, lifts, scaffolds, stage equipment, hardware and tools for installation and operation of scenery and stage drapery. Topics include traps, wagons, settings for overhead rigging, hardware, knots, roping, counterweights and motorized flying systems for scenery and curtains, and winches, chain hoists and trusses. Upon completion, the student will be able to assist with installation and operation of stages and associated rigging and fly systems. (Prerequisites: CEN 205 and FCT 1014 or permission of the instructor.) (1 hr. lecture, 3 hrs. lab.) (NT)

SCT 1030 Sound for Stage Productions (3)
Introduction to the use of sound in entertainment, sound theory, methods and equipment for stage and live events. Emphasis is placed on terminology, protocol, cabling, troubleshooting, mixing skills, and the use and maintenance of sound equipment. The course requires work outside of the classroom applying the principles learned in the practical application of theater sound for production. Upon completion, the student will be able to assist with sound production in theater and stage venues. (1 hr. lecture, 4 hrs. lab.) (NT)

SCT 2010 Advanced Stagecraft Laboratory (3)
Advanced construction techniques with an emphasis on stage construction, scheduling, problems and budgeting. Work on productions outside of class is required. Upon completion, the student should be able to assist in all fields related to the fabrication and decoration of sets and props. (Prerequisites: CEN 205 and FCT 1014 or permission of the instructor.) (6 hrs. lab) (NT)

SCT 2020 Scenic Techniques Laboratory (3)
Advanced coverage of techniques, materials and tools used to paint scenery. The course explores color theory, various media, proper preparation of surfaces, and painting techniques and examines the ways these are used in various entertainment venues including theater and film. Assigned practical work in supervised production activities outside of class is required. Upon completion, students should be able to assist with painting of props and sets for a variety of entertainment venues. (Prerequisite: CEN 205 or permission of the instructor.) (6 hrs. lab) (NT)

SCT 2030 Stage Lighting (3)
Application of lighting principles to theater and event venues. Topics include hanging, alignment, focusing, maintenance, and operation of various types of stage lighting fixtures, robotic lighting and computerized control of lights. Students are required to work as a lighting technician at approved venues. Upon completion, students should be able to demonstrate an understanding of stage lighting theory and applications, and assist with theatrical and event productions. (Prerequisites: FCT 1210 and FCT 1211 or permission of the Instructor.) (1 hr. lecture, 4 hrs. lab.) (NT)

SCT 2040 Stage Production Laboratory (4)
Practical experience in the machinations of backstage operations of a theater as a crew member for a minimum of 120 hours. The concentration of the course will vary depending on the skills of the student and the needs of the theater production. (Prerequisite: Permission of the instructor.) Minimum of 120 hours a semester. (NT)

Study Abroad

STA 2010 Humanities Study Abroad Experience (3)
Study abroad credit can be awarded to students who participate in approved Tennessee Consortium for International Studies coursework. (TE)

STA 2030 Social/Behavioral Science Study Abroad Experience (3)
Study abroad credit can be awarded to students who participate in approved Tennessee Consortium for International Studies coursework. (TE)

Theatre

THEA 1020 Acting (3)
An introduction to basic acting techniques fundamental to performance in theatre and media. Emphasizes improvisation, scene study, script analysis, character study (introducing English, Stanislavskian and Brechtian technique) and the history of acting/performance art. Students engage in laboratory exercises as well as public performance. (T)

THEA 1030 Intro to Theatre and Performance (3)
An introduction to the theatre arts including acting, directing, playwriting with a brief overview of technical theatre, theatrical history, allied media (film/television), and performance. Students study plays from theatre history, write reviews of actual productions, and experience lab work in theatre. (T)

THEA 1040 Special Topics in Theatre (1)
This course will expose students to different topics in theatre history, practice, and emerging trends and ideas in the field. (T)

THEA 1400 Stagecraft (3)
Stagecraft provides students with an understanding of basic skills in stage technology including: set design, construction, lighting design, costume design and sound design. Students learn vocabulary, parts of the stage, basic design history, and practice through lab assignments in theatre technology designing, building, and operating theatre technology in production. (T)

THEA 1430 Acting II (3)
A study of the classic primary texts, performance art works, and methodologies of performance to evaluate performance works. Study and skill building in acting, performance methods, new art formats, video and stage media. Students will explore western and non-western approaches to performance through critical analysis and will develop a greater awareness of the expressive forms of humanistic performance. (TE)

THEA 2430 Musical Drama and Speech (3)
Principles and practices governing the actor's use of voice, body, and imagination for musical performances. Scene work. (Prerequisite: Satisfactory placement test scores or completion of all Competencies in Learning Support Reading.) (TE)

Veterinary Technology

Students must be admitted into the Veterinary Technology Program before they can register for VET courses.

VET 102 Animal Anatomy (4)
This course provides an overview of the anatomy and physiology of selected domestic animal species using an organ-system approach. Clinical applications relative to organ systems are made when applicable. The cat is used as the primary dissection model. (Prerequisite: VET 113.) (Corequisites: VET 191 and 201.) 3 hrs. lecture, 3 hrs. lab. (NT)

VET 112 Veterinary Technology Orientation I (4)
The lecture component of this course introduces the student to veterinary hospital operation, professional standards and ethics. The lab component includes restraint, introduction to lab procedures, equipment identification, medical terminology, and administration of medications. (Corequisites or Prerequisites: AGRI 1020 and BIOL 1110 or BIOL 1120.) 3 hrs. lecture, 3 hrs. lab. (NT)

VET 113 Veterinary Technology Orientation II (4)
The lecture component of this course introduces the student to medical nursing concepts, laboratory procedures, and animal health care. The lab component is a continuation of VET 112 with more emphasis on nursing skills and laboratory procedures. (Prerequisite: VET 112.) (Corequisite or Prerequisite: BIOL 2230.) 3 hrs. lecture, 3 hrs. lab. (NT)

VET 191 Clinical Practicum I (2)
Practical experience in veterinary clinics and/or related facilities. Students complete an average of approximately 12 hours of clinical practicum per week. (Prerequisite: VET 113.) (Corequisites: VET 102 and 201.) (NT)

VET 192 Clinical Practicum II (5)
Practical experience in veterinary clinics and/or related facilities. (Prerequisites: VET 102, 191 and 201.) (Corequisites: VET 202 and 251.) 16 hrs. clinical practicum per week. (NT)

VET 193 Clinical Practicum III (5)
Practical experience in veterinary clinics and/or related facilities. (Prerequisites: VET 192, 202 and 251.) (Corequisite: VET 203.) 16 hrs. clinical practicum per week. (NT)

VET 201 Veterinary Lab Procedures I (5)
The lecture component of this course introduces the student to surgical nursing concepts, small and large animal medical nursing, aseptic technique, and surgical instrumentation. The lab component of this course readies the student to assist the veterinarian in performing surgery, by introducing anesthesia and operation of the anesthesia machine, nursing procedures during the surgical process, and an introduction to radiographic procedures. (Prerequisite: VET 113.) (Corequisites: VET 102 and 191.) 3 hrs. lecture, 6 hrs. lab. (NT)

VET 202 Veterinary Lab Procedures II (5)
A continuation of VET 201. An introduction to surgical nursing, anesthetic techniques, and radiography. Includes a study of the course, development, treatment, prevention, and control of infectious and non-infectious diseases (Prerequisites: VET 102, 191 and 201.) (Corequisites: VET 192 and 251.) 3 hrs. lecture, 6 hrs. lab. (NT)

VET 203 Veterinary Lab Procedures III (5)
A continuation of VET 202. Emphasis upon laboratory animal care, advanced radiographic techniques, exotic animal care, microbiology techniques, and clinical pathology. Skills introduced in previous courses will be refined. Field trips will be used when appropriate. (Prerequisites: VET 192, 202 and 251.) (Corequisite: VET 193.) 3 hrs. lecture, 6 hrs. lab. (NT)

VET 251 Pharmacology (3)
Introduction to the major drug classifications. Use and control of, measurements and conversion factors, and methods of drug action and interaction used in small and large animal practice. (Prerequisites: VET 102, 191 and 201.) (Corequisites: VET 192 and 202.) (NT)

Employee Directory

Faculty

BAKER, MARY LOUISE (1993)

Associate Professor of Mathematics

A.S., Motlow State Community College - Mathematics (1988)

B.S., Middle Tennessee State University - Mathematics (1990)

M.S.T., Middle Tennessee State University - Mathematics (1993)

BASOA-McMILLAN, ANA (1998)

Director of International Education and Associate Professor of English/Spanish

B.A., University of Santiago, Spain - English (1986)

M.A.T., Middle Tennessee State University - Spanish (1994)

A.B.D., University of Santiago, Spain - English (1988)

BENNS-OWENS, LACEY (2001)

Associate Professor of Communications

A.A., Rendlake College - Liberal Arts (1996)

B.S., Southern Illinois University - Speech Communications (1998)

M.S., Southern Illinois University - Speech Communications (2000)

BREW, HOLLY (2004)

Associate Professor of Business

B.A., Central Washington University - Family & Consumer Studies (1997)

M.B.A., Lipscomb University - Business Administration (2003)

BRUNTON, LINDA L. (1981)

Professor of Psychology

B.S., Eastern Kentucky University - Psychology (1979)

M.A., Eastern Kentucky University - Psychology (1981)

Ed.D., Tennessee State University - Psychology (1992)

CARLOUGH, CHRISTOPHER (2013)

Instructor of Emergency Medical Technology

A.A.S., Columbia State Community College - EMT/Paramedic (2011)

B.S., Rutgers University - Ceramic Engineering (1982)

M.B.A., Oklahoma City University - Business Administration (1993)

CARTER-LOWE, MANDY (2000)

Associate Professor of Biology

B.S., Murray State University - Biology and Chemistry (1996)

M.S., Middle Tennessee State University - Biology (1999)

CAUTHEN, DAVID (2007)

Program Director and Associate Professor of Emergency Medical Technology

EMT-Paramedic Certificate, Manatee County Vocational Technical School (1983)

B.A., Trevecca Nazarene University - Theology (1997)

M.A., Trevecca Nazarene University - Theology (2001)

M.A., California Coast University - Psychology (2002)

Ph.D., California Coast University - Psychology (2007)

COBB, HERBERT (2003)

Associate Professor of Art

B.F.A., University of Tennessee, Knoxville - Studio Art (1991)

M.F.A., University of Memphis - Art (1995)

COOK, JOSEPH (2015)

Instructor of English

B.A., Alabama State University - English/Sociology (2011)

M.A., Auburn University - English & Rhetoric Composition (2015)

COOK, RITA JOAN (2001)

Associate Professor of English and Education

B.S.Ed., University of North Alabama - Physical Education (1993)

B.S., University of North Alabama - English (1994)

M.A., University of North Alabama - English (1998)

DARRELL, MICHAEL (2004)

Assistant Professor of Mathematics

B.S., Middle Tennessee State University - Mathematics (1992)

M.S., Middle Tennessee State University - Mathematics (2003)

DE LA MER, JAN (2011)

Assistant Professor of History

B.S., University of Nevada, Reno - History (1970)

M.A., University of Nevada, Reno - History (1980)

Ph.D., University of California, Berkeley - History (1999)

DENNY, STEPHEN (2011)

Instructor of Emergency Medical Technology

Certificate, Columbia State Community College - Paramedic (1998)

A.S., Columbia State Community College - Paramedic (2002)

B.S., University of Tennessee, Knoxville - Hotel and Restaurant Management (1993)

M.S., Eastern Kentucky University - Safety, Security/Emergency Management (2014)

DEVERS, DANIEL (2007)

Associate Professor of Computer Information Systems

B.S., East Tennessee State University - Biology (2004)

M.S., East Tennessee State University - Computer Science (2006)

DOWLEN, SPENCE (2004)

Associate Professor of Biology

B.S., University of Arizona - Nuclear Engineering (1985)

M.S., Middle Tennessee State University - Biology (2002)

DULANEY, WESTON (2014)

Assistant Professor of Biology

B.S., King University - Biology and Chemistry (2005)

M.S., Vanderbilt University - Biological Sciences (2010)

EVERHART, LISA (2009)

Associate Professor of Nursing

B.A., University of North Dakota - Advertising (1992)

M.S.N., Vanderbilt University - Nursing (1999)

DUNKIN, MARISSA (2006)

Clinical Coordinator and Assistant Professor of Radiologic Technology

A.A.S., Columbia State Community College - Radiologic Technology (1998)

B.S., Midwestern State University - Radiologic Sciences (2012)

FAWCETT, DAVID (1997)

Associate Professor of Physics and Mathematics

B.S., University of Louisville - Physics (1988)

M.S., University of Louisville - Physics (1994)

M.S., Middle Tennessee State University - Mathematics (2003)

FISHER, ALAN (2012)

Associate Professor of Computer Information Systems

B.S., Pennsylvania State University - Electrical Engineering (1977)

M.S., Union College - Computer Science (1990)

FLAGEL, THOMAS (2008)

Associate Professor of History

B.A., Loras College - History (1989)

M.A., Kansas State University - European History (1992)

M.A., Creighton University - International Relations (1993)

FLEMING, KAE B. (1988)

Dean, Health Sciences Division and Professor of Radiologic Technology

A.A.S., Columbia State Community College - Radiologic Technology (1986)

R.T. (R), American Registry of Radiologic Technologists (1986)

B.S., College of St. Francis - Health Arts (1991)

M.B.A., Middle Tennessee State University - Business Adm (1998)

Ed.D., Lipscomb University - Learning Organizations and Strategic Changes (2012)

GAILANI, KRISTY (2009)

Assistant Professor of Nursing

B.S., University of Illinois - Psychology (1978)

B.S., University of Illinois - Nursing (1983)

M.S., Saint Louis University - Nursing (1994)

GANTER, EMILIE (1993)

Associate Professor of English

B.A., Cornell University - History (1979)

M.A., Syracuse University - Creative Writing (1989)

GASKILL, EMILY (2006)

Associate Professor of Music

B.S., University of Alabama - Occupational Therapy (1975)

B.M.E., Mississippi University for Women - Music Education (1980)

M.M.E., Belmont University - Music Education (1995)

GAY, VICTORIA (1993)

Dean, Humanities and Social Sciences Division, Director of Learning Support and Associate Professor of English

B.A., Middle Tennessee State University - Foreign Language (1982)

M.A., Middle Tennessee State University - English (1995)

GIDCOMB, BARRY D. (1985)

Professor of History

A.S., Columbia State Community College - History (1978)

B.S., Middle Tennessee State University - History (1981)

M.A., Middle Tennessee State University - History (1985)

D.A., Illinois State University - History (2000)

GILES, LORI (2015)

Instructor of Mathematics

B. A., University of Evansville - Mathematics (1999)

M.S., University of Tennessee, Knoxville - Mathematics (2002)

GORDON, CLIFFORD (2014)

Instructor of Art

A.A., Chattanooga State Community College - Studio Art (1999)

B.A., Tennessee State University - Studio Art (2001)

M.A., Memphis College - Studio Art (2004)

HALL, BRITTANY (2011)

Assistant Professor of English

B.A., University of Virginia's College at Wise - History (2007)

M.A., East Tennessee State University - English (2010)

HALL, SHANE (2015)

Instructor of English

A.A., Columbia State Community College (2008)

B.A., Vanderbilt University - English (2010)

M.F.A., Murray State University - Creative Writing (2012)

HALLQUIST, TOM (2007)

Assistant Professor of Communications

B.A., Northern Michigan University - History and Sociology (1970)

M.A., Bethel College and Seminary - Communications (2002)

HARDIN, JEFF (1994)

Professor of English

B.S., Austin Peay State University - English (1990)

M.F.A., University of Alabama, Tuscaloosa - Creative Writing (1993)

HARDISON, RICHARD (1999)

Associate Professor of Mathematics

B.S., Tennessee Technological University - Civil Engineering (1989)

M.A., Tennessee Technological University - Curriculum and Instruction (1994)

HART, MARILYN (1998)

Associate Professor of Nursing

A.D.N., University of Tennessee - Nursing (1970)

B.A., George Peabody College - Sociology (1974)

M.S.N., Vanderbilt University - Nursing (1980)

Ed.S., Middle Tennessee State University - Education (1985)

HARVEY, JOHN MICHAEL (1990)

Assistant Professor of Accounting

A.S., Motlow State Community College - General Business (1980)

B.S., Tennessee Technological University - Accounting (1981)

M.B.A., Middle Tennessee State University - Business Administration (1986)

C.P.A. (Inactive), State of Tennessee - (1987)

HOBBS, CURTIS DALE (2012)

Assistant Professor of Mathematics

B.S., Vanderbilt University - Chemical Engineering (2009)

M.S., Tennessee Technology University - Mathematics (2012)

HOBBY, MICHELLE ROSE (2013)

Instructor of Radiology Technology

A.A.S., Columbia State Community College - Radiologic Technology (2008)

B.S., East Tennessee State University - Radiography (2012)

HOLMES, SUSANNA (1990)

Associate Professor of English

B.A., Western Kentucky University - English (1974)

M.A., Western Kentucky University - English (1976)

HOPPER, NANCY JOHNSON (1993)

Program Director and Associate Professor of Radiologic Technology

A.A.S., Columbia State Community College - Radiologic Technology (1989)

R.T. (R), American Registry of Radiologic Technologists (1989)

B.S., Saint Joseph's College of Maine - Radiologic Science (2000)

M.S., Saint Joseph's College of Maine - Education (2013)

HUDNALL, CATHY (1996)

Program Director and Assistant Professor of Commercial Entertainment

B.A., Dominican College of San Rafael - Music (1989)

M.A., Middle Tennessee State University - Music (1998)

HUDSON, CHARLES GLENN (2007)

Associate Professor of Mathematics

B.S., Georgia College - Physics (1973)

M.S., Auburn University - Physics (1975)

Ph.D., Auburn University - Physics / Math (1977)

- HUFF, AMY (2015)
Assistant Professor of Nursing
 B.S.N., University of Alabama - Huntsville (2005)
 M.S.N., University of Alabama - Huntsville (2006)
- JACKSON, DEMARCUS I. (2006)
Associate Professor of Psychology
 A.A., Hopkinsville Community College - General Studies (1998)
 B.S., Austin Peay State University - Psychology/Philosophy (2001)
 M.S., Capella University - Educational Psychology and Developmental Psychology (2003)
- JANAKIRAMAN, DEEPA (2011)
Assistant Professor of Computer Information Systems
 M.S., Middle Tennessee State University - Computer Science (2007)
- JAUDON, JON ALLENE (2008)
Associate Professor of Nursing
 B.S.N., University of Alabama, Birmingham - Nursing (1977)
 M.S.N., Boston University - Nursing (1980)
- JERNIGAN, KRISTEN (2015)
Assistant Professor of Biology
 B.S., Clarion University of Pennsylvania - Molecular Biology/Biotechnology (2003)
 Ph.D., Vanderbilt University - Cell and Developmental Biology (2009)
- JOHNSON, DANIEL (2004)
Associate Professor of Communications
 B.F.A., University of Southern Mississippi - Theatre (1976)
 M.A., Southwestern Baptist Theological Seminary - Communication (1985)
- JOHNSON, R. DAVID (2000)
Program Director and Associate Professor of Respiratory Care
 A.S., Aquinas Junior College - Respiratory Care (1978)
 B.S., Tennessee State University - Respiratory Care (1984)
 M.Ed., Middle Tennessee State University - Education (2011)
- KATZ, LOUISE (1992)
Professor of Psychology
 B.S., University of the State of New York - Liberal Arts (1990)
 M.S., Tennessee State University - Guidance & Counseling (1991)
 Ph.D., Tennessee State University - Psychology (1999)
 Licensed Psychologist / HSP (Tennessee) (2000)
- KEALEY, ERIN (2015)
Instructor of English
 B.A., University of Virginia - Sociology (1997)
 M.A., Georgetown University - Liberal Studies (2002)
 M.A., Boston College - Philosophy (2004)
 Ph.D., Purdue University - Philosophy and Literature (2010)
- KELLEY, DANIEL (2015)
Associate Professor of English
 B.S., University of North Alabama - English (1997)
 M.A., Middle Tennessee State University - English (1999)
- KENDALL-FITE, KAREN (1996)
Associate Professor of Biology
 Medical Technology (ASCP), Vanderbilt University Medical Center School of Allied Health (1978)
 B.S., Middle Tennessee State University - Biology (1975)
 M.S., Middle Tennessee State University - Biology (1993)
- KENNEDY, MARY SUSAN (1981)
Professor of Marketing
 B.A., Vanderbilt University - French (1978)
 M.B.A., Southern Methodist University - Business Adm (1979)
- Ph.D., University of Memphis - Business Administration (1994)
- KITTELL, DEBORAH (2008)
Associate Professor of Learning Support Reading & College Success
 A.G.S., Mott Community College - General Studies (1992)
 B.A., University of Michigan - Business Administration (1995)
 M.A., Tennessee Technological University - Curriculum and Instruction (2001)
 Ph.D., Tennessee Technological University - Exceptional Learning (2007)
- KRICHBAUM, PERI (2008)
Assistant Professor of Health and Physical Education and Wellness Center Coordinator
 B.S., Montclair State University - Physical Education (1987)
 M.S., Indiana State University - Physical Education and Athletic Training (1990)
- LAMPLEY, DEARL (1998)
Dean, Science, Technology and Mathematics Division and Associate Professor of Agriculture
 B.S., University of Tennessee, Knoxville - Agriculture (1979)
 M.S., University of Tennessee, Knoxville - Agriculture (1981)
- LEE, MARK (1993)
Professor of Music
 B.M., Florida State University - Music (1983)
 M.M., Memphis State University - Music (1986)
 M.A., Vanderbilt University - Music (2000)
 Ph.D., Vanderbilt University - German (2007)
- LENIG, STUART (1992)
Professor of Communications and Drama
 B.A., Northern Arizona University - Humanities (1975)
 M.A., Arizona State University - English (1977)
 M.A., Occidental College - Theatre Arts and Rhetoric (1983)
 M.F.A., University of Virginia - Drama (1989)
 M.S., Middle Tennessee State University - Mass Communications (2005)
 M.A., Austin Peay State University - Communications (2011)
 Ph.D., Tulane University - English (2006)
- MAJOR, ROGER (1999)
Clinical Director and Associate Professor of Respiratory Care
 B.A., Oakwood College - Biology (1979)
 Certificate in Respiratory, University of South Alabama (1984)
- MALONE, ANGELA (2008)
Assistant Professor of Biology
 B.S., University of Tennessee, Martin - Biology (1998)
 M.S., Middle Tennessee State University - Biology (2002)
- MANN, SHELLEY D. (2002)
Assistant Director of Learning Support and Associate Professor of English
 B.A., Tennessee State University - English (1998)
 M.A., Tennessee State University - English (2000)
- MASHBURN, CAROLYN ANN (2010)
Instructor of Nursing
 A.A.S., Columbia State Community College - Nursing (1987)
 B.S.N., Tennessee State University - Nursing (2001)
 M.S.N., Austin Peay State University - Nursing Education (2012)
- MASSEY-HOLT, VIRGINIA (2011)
Assistant Professor of Nursing
 M.S.N. Vanderbilt University - Nursing (2009)
- McCORD-ACKLIN, CHERYL (1989)
Assistant Professor of Psychology

B.A., Spellman College - Psychology (1979)
M.A., Fisk-Emery University - Psychology (1982)

McCOY, MEREDETH (1993)
Instructor of Mathematics
B.S., Oakwood College - Mathematics (1991)

McCULLOUGH, ERIC (2011)
Assistant Professor of Emergency Medical Technology
A.S., Columbia State Community College - EMS (2004)
A.A.S., Columbia State Community College - General Technology (2005)
B.A., Middle Tennessee State University - English (2008)
M.E., Lipscomb University - Instructional Technology (2014)

MEWBOURN, GREGORY (2011)
Assistant Professor of History
B.S., University of North Alabama - History/Political Science (1995)
M.A., University of North Alabama - Secondary Education (2002)
M.A., University of North Alabama - History (2011)

MICELI, FRANK (2012)
Program Director and Associate Professor of Criminal Justice Technology
M.S., City University of New York - Criminal Justice (1983)
M.S., Columbia University - International Affairs (1992)

MILLER-TOOTHAKER, DEBORAH (2013)
Assistant Professor of Geography
B.A., University of Toledo - Anthropology (1994)
M.A., University of Toledo - Geography and Planning (1996)
Ph.D., Louisiana State University - Geography (2004)

MITCHELL, BEVERLY (1990)
Professor of English
B.A., Hendrix College - Languages (1976)
M.F.A., University of Arkansas - Literary Translation (1982)

MOSTAJIR, MEHRAN (2015)
Program Director and Instructor of Advanced Integrated Industrial Technology
B.S., State University of New York, Buffalo - Mechanical Engineering (1983)
M.A., State University of New York, Buffalo - Applied Mathematics (1986)
M.S., State University of New York, Buffalo - Mechanical Engineering (1988)
M.B.A., Gannon University School of Management - Business Administration (1991)

MURRAY, MARILEE (2012)
Assistant Professor of Mathematics
B.S., University of Michigan - English (2010)
B.S., University of Michigan - Mathematics (2010)
M.S., Bowling Green State University - Mathematics (2012)

PERLEY, SANDRA W. (1993)
Associate Professor of Nursing
A.A.S., Columbia State Community College - Medical Laboratory Technology (1980)
M.S.N., Vanderbilt University - Acute/Critical Care Nursing (1991)
Ed.D., East Tennessee State University - Educational Leadership and Policy Analysis (2015)

PEWITT, LAURIE (2004)
Associate Professor of Business Information Technology
A.S., Columbia State Community College - General Transfer (1998)
B.S., Middle Tennessee State University - Information Systems (2000)

M.S., Middle Tennessee State University - Accounting & Information Systems (2002)

RICHARDS, SANDRA NICOLE (2012)
Program Director and Assistant Professor of Veterinary Technology
B.S., August State University - Biology (2001)
D.V.M., Ross University School of Veterinary Medicine - Veterinary Medicating (2007)

RICHARDSON, BRANDON (2015)
Instructor of Mathematics
B.S., University of North Alabama (2010)
M.S., University of Alabama, Huntsville - Mathematics (2013)

RIDLEY, READ (2008)
Program Director and Instructor of Film / Stage Crew Technology
B.S., Middle Tennessee State University - Mass Communications (1993)

ROBERSTON, SHERI (2015)
Instructor of Nursing
A.A.S., Chattanooga State Community College - Nursing (1992)
B.S., University of Tennessee at Chattanooga - Nursing (1999)
M.S., Liberty University - Nursing Education (2013)

RUSSELL, SUSAN M. (1992)
Professor of Nursing
A.A., University of South Florida - General Education (1973)
A.B., Indiana University - Psychology (1975)
B.S.N., Indiana University - Nursing (1979)
M.S.N., University of Illinois - Psychiatric Nursing (1982)
Ed.D., Tennessee State University - Curriculum & Instruction (2008)
Adult Psychiatric-Mental Health Clinical Nurse Specialist
Certified Nurse Educator, National League for Nursing (2008)

SEATON, ALESHA (2014)
Instructor of Biology
B.S., Philander Smith College - Biology (2009)
M.S., Tennessee State University - Biological Science (2011)

SENEFELD, JAMES L. (1985)
Professor of English
B.S., Ball State University - English, History (1968)
M.A., Ball State University - English (1971)
Ph.D., Ball State University - English (1977)

SERKOWNEK, SANDRA B. (1988)
Professor of Industrial Technology
A.S., Columbia State Community College - Pre-Engineering (1983)
B.S., Tennessee Technological University - Mechanical Engineering (1985)
M.S., University of Tennessee - Industrial Engineering (1994)
Ph.D., Indiana State University - Technology Management (2012)

SISKA, KAREN A. (1978)
Professor of Education
B.A., David Lipscomb College - Speech (1972)
M.Ed., Middle Tennessee State University - Guidance and Counseling (1973)
N.C.C., National Board for Certified Counselors (1983)
Ph.D., Peabody College of Vanderbilt University - Higher Education Administration (1984)

SMITH, JAMES (1998)
Associate Professor of Mathematics
B.S., Troy State University - Mathematics (1994)
M.S., University of South Alabama - Mathematics (1996)
SMITH, JUDY B. (1988)
Associate Professor of Nursing
B.S.N., University of North Carolina - Nursing (1977)

M.S.N., University of Alabama, Huntsville - Adult Acute Care, Nursing Education (1988)

STENSON, LATASHA (1998)
Assistant Professor of English
 B.S., Tennessee State University - Arts and Sciences (1993)
 M.A., Tennessee State University - English (1996)

STREET, GEORGETTA (2010)
Assistant Professor of Nursing
 A.A.S., Columbia State Community College - Nursing (1985)
 B.S.N., Excelsior College - Nursing (2003)
 M.S.N., University of Alabama, Huntsville - Nursing (2006)

SUTHERLAND, CARA (2010)
Assistant Professor of Mathematics
 B.S., Freed Hardeman University - Mathematics (2000)
 M.S.T., Middle Tennessee State University - Mathematics (2008)

SWANSON-MOORE, SUSAN (2015)
 Instructor of Nursing
 B.S., University of Tennessee at Chattanooga - Nursing (1978)
 M.S., Vanderbilt University - Nursing (1993)

THYM, ROBERT (2012)
Instructor of English
 B.A., Vanderbilt University - English (1981)
 M.A., Middlebury College - English (1986)

WALKER, MELISSA (2015)
Instructor of Economics
 B.S., Elon University - Accounting (1993)
 M.B.A., University of Colorado at Denver - Business Administration (2001)
 M.A., Middle Tennessee State University - Economics (2015)

WARNER, CANDACE (2003)
Associate Professor of Sociology
 B.A., Mississippi University for Women - Music-Commercial (1999)
 M.S., Valdosta State University - Sociology (2002)

WARREN, MARIAN (2000)
Program Director and Associate Professor of Early Childhood Education
 B.S., Drake University - Education (1970)
 M.S., Pacific University - Education (1972)
 E.C.H. Certification, Western Illinois University (1994)

WESTLEY, JUDITH (2012)
Assistant Professor of English
 B.A., Mount Holyoke College - English (1983)
 M.A., Columbia University - English (1984)
 M.F.A., Warren Wilson College - Creative Writing (2008)

WHITE, DAVID (2010)
Assistant Professor of Chemistry
 B.S., University of North Alabama - Chemistry / Education (1983)
 M.A., University of Alabama, Birmingham - Chemistry (1995)
 Ed.S., University of Alabama, Birmingham - Chemistry (2002)

WHITTLE, GARY (2015)
 Associate Professor of Information Systems Technology
 B.A., Campbellsville University - Business Education (1998)
 M.A., University of Louisville - Education (1994)

WILLIAMS, ABREOTTA(2015)
Assistant Professor of Biology
 B.S., Alabama A & M University - Biology (2009)
 M.S., Alabama A & M University - Biology (2010)
 PhD., Alabama A & M University - Plant Molecular Biology (2014)

WITT, LOREN (2010)
Assistant Professor of Biology
 B.A., Goucher College - Biology - (1997)
 M.S., University of the Incarnate Word - Biology (1999)

WRIGHT, ANDREW (2011)
Assistant Professor of Mathematics
 B.S., Appalachian State University - Pure Mathematics (2009)
 M.S., Appalachian State University - Mathematics (2011)

YORK, WENDY (2008)
Associate Professor of Business Information Technology
 A.S., Volunteer State Community College - Business Education (1990)
 B.S., Middle Tennessee State University - Business Education (1992)
 M.B.E., Middle Tennessee State University - Business Education (1999)

YOUNG, JAMES (1992)
Assistant Professor of Nursing
 A.S., University of Tennessee, Nashville - Nursing (1975)
 B.S., Canisius College - Biology (1959)
 M.S., Fordham University - Biology (1962)
 Ph.D., University of Rochester - Anatomy (1968)

President Emeritus

O. Rebecca Hawkins, December 1996 - February 2008

Professional Staff

ANDERSON, IRIS (2009)
Coordinator, Human Resources
 B.S., Lipscomb University - Management (1986)
 M.B.A. Middle Tennessee State University - Business Administration (1994)

ARNOLD, JON (2007)
Interim Coordinator, Purchasing/Financial Analyst
 A.A.S., Columbia State Community College - Business Technology (2005)
 C.P.S., International Association of Administrative Professionals (2009)

BLUM, BARBARA (2003)
Program Director, Nursing
 R.N., St. Joseph Mercy School - Nursing (1974)
 B.S.N., University of Michigan - Nursing (1990)
 M.S.N., University of Phoenix - Nursing (2005)

BOLLINGER, KENNETH (2001)
Coordinator, Theater and Event Services, Instructional Support and Evening Services
 A.S., Columbia State Community College - Business (1995)
 B.S., Tennessee State University - Speech Communication and Theatre (1997)

BORREN, TAMMY (1995)
Director of Planning and Institutional Effectiveness
 B.S., Belmont College - Mathematics (1991)
 M.S.T., Middle Tennessee State University - Mathematics (1994)
 M.S., Middle Tennessee State University - Accounting (2004)

BOWEN, SHARON JOYCE (1981)
Director, Records
 A.S., Columbia State Community College - General Transfer (1978)
 B.B.A., Middle Tennessee State University - Office Management

- (1981)
M.Ed., Trevecca Nazarene College - Administration and Supervision (1990)
- BRADLEY, JOAN (1988)
Computer Programmer Analyst, Information Technology
A.S., Columbia State Community College - Data Processing (1981)
- BRADY, JON (2013)
Director TN Highway Safety Training Center, Workforce Development
B.A., Trevecca Nazarene University - Management and Human Relations (2013)
- BREEDEN, KATHY (2000)
Director, Library
B.S., University of Tennessee, Knoxville - Journalism (1975)
M.S., University of Tennessee, Knoxville - Library Science (1977)
- BREWER, DORIS J. (1991)
Payroll Supervisor / Accountant I, Business Services
A.A.S., Columbia State Community College - Office Administration (1991)
B.B.A., Middle Tennessee State University - Accounting (2005)
C.P.S., International Association of Administrative Professionals (1993)
- BREWER, ERIN (2013)
Executive Assistant, Business Services
B.A., University of North Alabama - Sociology (2003)
- BULLOCK, CHIQUITA (1989)
Retention Coordinator, Humanities and Social Sciences Division
A.A.S., Columbia State Community College - Accounting Technology (1989)
B.A., Trevecca Nazarene University - Management and Human Relations (1999)
M.A., Antioch University - Management (2005)
- CARROLL, RANDALL (2014)
Chief of Security, Facility Services
B.A., Memphis State University - Law Enforcement (1975)
- COCHRAN, MOLLY (2012)
Alumni/Community Relations and Events, Office of Advancement
B.S., Murray State University - Advertising (1997)
M.S., Murray State University - Mass Communication (1999)
- CORN, MICHAEL R. (2009)
Baseball Coach
B.S., Coker College - Physical Education (1998)
- CROSS, EMILY (2015)
Accountant I - Foundation Accountant, Business Services
B.S., Martin Methodist College - Business Administration, Accounting (2010)
- CURTIS, BARBARA ELAINE (1975)
Associate Vice President, Business Services
A.A., Martin College - Liberal Arts (1972)
B.B.A., Middle Tennessee State University - Accounting (1982)
M.B.A., Middle Tennessee State University - Business Administration (1998)
C.P.A. (Inactive), State of Tennessee (1987)
- DELK, RHONDA (2015)
Coordinator, Clifton Site
B.S., Tennessee Technology University - Education (1987)
M.A., Tennessee Technology University - Education (1993)
- DOSS, STEPHANIE (2013)
Technician, Veterinary Technology
- A.A.S., Snead State Community College - Veterinary Technology (2003)
- EARPS, LANDON (2015)
Librarian, Williamson County Center
B.S., Middle Tennessee State University - Mass Communication (2007)
M.S., University of Alabama at Tuscaloosa - Library Information Studies (2013)
- FLEMING, BRENT (2004)
Coordinator, Administrative Computing and DBA, Information Technology
A.S., Columbia State Community College - Computer Information Systems (1999)
- GALLON, CONNIE (2015)
Director of Student Success Counseling, Student Services
B.S., Troy State University - Criminal Justice (1997)
M.S., Tareyton University - Counseling Psychology (2003)
- GERGES, MARILIA (1992)
Director, Instructional Support, Distance Learning, University Services
B.S., Campinas State University - Brazil - Agricultural Engineering (1980)
M.S., Michigan State University - Agricultural Engineering Technology (1984)
Ph.D., Michigan State University - Agriculture and Extension Education (1991)
- GOOCH, A. WYNN (2013)
Disability Services Counselor, Counseling and Disability Services
B.S., University of Tennessee, Martin - Business (2002)
M.S., Auburn University - Rehabilitation Counseling (2011)
- GOODNIGHT, BRIDGET (2012)
Women's Basketball Coach
A.A.S., Northwest Mississippi Community College (1994)
B.S., Blue Mountain College - Biology and Chemistry (1996)
M.S., Delta State University - Health, Physical Education (2002)
- HALL, DAVID (2011)
Director of Maintenance, Facility Services
A.S. Columbia State Community College - Pre-Engineering (1987)
B.S. Tennessee Technology University - Mechanical Engineering (1989)
- HALLMARK, TIMOTHY (2014)
Director of Facilities Services and Safety, Facility Services
B.S., University of North Alabama - Industrial Hygiene/General Chemistry (2000)
M.S., University of Alabama at Birmingham - Environmental Health Science - Industrial Hygiene (2002)
- HARLAN, PATRICIA W. (1982)
Coordinator, Testing Services
A.A.S., Columbia State Community College - Office Administration (1980)
B.B.A., Middle Tennessee State University - Office Management (1982)
M.A., Trevecca Nazarene University - Organizational Management (1998)
- HARRIS, HALEY (2013)
Record Transcript Analyst, Enrollment Services
B.B.A., Mississippi University for Women - Management Information Systems (2009)
M.S., Mississippi University for Women - Global Commerce (2014)
- HAYNES-BOOTH, JUSTIN (2008)
Systems Administrator, Information Technology

- HENSON, CHRISTOPHER (2012)
Development Officer, Fund Development, Office of Advancement
B.S., Wingate University - Sports Medicine (1994)
M.S., University of North Carolina at Pembroke - Organizational Leadership (1997)
- HOLMAN, DENISE (2014)
Coordinator, Veterans, Financial Aid
B.B.A., Middle Tennessee State University - Business Management (2004)
M.B.A., Middle Tennessee State University - Business Management (2012)
- HOLMES, PAIGE (2014)
Coordinator, RxTN Program Coordinator, RxTN
B.S., Freed Hardman University - Communications (1990)
M.B.A., Union University - Business Administration (2007)
- HOLT, BETHANEY (2014)
Enrollment Recruiter, Enrollment Services
B.S., University of Tennessee, Chattanooga - Exercise Science (2013)
- HOLT, HOLLIE (2015)
Operations Manager, Economic and Workforce Development
B.A., University of Tennessee at Martin - Communications/Public Relations (2001)
- HOLT, RUTH ANN (1994)
Director, Clifton Site and Lawrence County Center
B.A., University of North Alabama - English (1989)
M.A.Ed., University of North Alabama - English (1991)
Ed.S., Middle Tennessee State University - Administration and Supervision (2008)
- HONN KIMBERLY (2013)
Business Manager, Business Services
B.S., Martin Methodist College - Accounting and Business (2006)
M.B.A., Tennessee Technology University - Accounting (2010)
- HORNER, KENNETH R. (1977)
Vice President, Financial and Administrative Services
A.S., Columbia State Community College - General Transfer (1972)
B.S., Middle Tennessee State University - Accounting (1974)
M.B.A., Memphis State University - Business Administration (1987)
C.P.A. (Inactive), State of Tennessee (1976)
- HURTE, BRIDGETTE (2008)
Coordinator, Student Services, Williamson County Center
B.S., University of Southern Mississippi - Speech / Language Pathology (1995)
M.Ed., University of Southern Mississippi - Counseling (2001)
- JACKSON, SHANNA L. (2010)
Dean, Extended Services and Williamson Campus
B.S., Florida Agricultural and Mechanical University - Business Administration (1992)
M.B.A., Florida Agricultural and Mechanical University - Management (1993)
Ed.D., Tennessee State University - Administration and Supervision (2007)
- JOHNSON, CHERRY (2014)
Director, Financial Aid
B.A., Middle Tennessee State University - Mass Communication (1980)
M.A., Bethel College - Education Specialties (2003)
- JONES, CARL (2013)
Print & Digital Communications Coordinator, Marketing and Public Relations
B.A., Auburn University - Visual Arts (1988)
- JONES, ROBERT C. (2015)
Academic Coach, Student Support Services (TRIO)
B.S., University of North Alabama at Florence- History (2003)
M.A., University of North Alabama at Florence- History (2010)
- KINLOCH, TERRI (2014)
Executive Director, Economic and Workforce Development
B.S., Vanderbilt University - Human and Organizational Development (1996)
M.A., Vanderbilt University - Human Resource Development (1999)
- LACHER, TERI (2011)
Clinical Laboratory Technician, Nursing
B.S., Middle Tennessee State University - Nursing (2005)
- LAY, BETHANY (2010)
Executive for Advancement and Executive Director CSCC Foundation, Office of Advancement
B.S., Freed Hardman University - Education (1988)
M.A., Concordia University Chicago - Curriculum and Instruction (1994)
Ed.S., Tennessee State University - Administration and Supervision (2003)
- LENIG, JONI (1987)
Associate Vice President, Faculty, Curriculum and Programs
A.S., Columbia State Community College - Mathematics (1984)
B.S., Middle Tennessee State University - Mathematics (1985)
M.S., Middle Tennessee State University - Computer Science (1987)
- LEWIS, MATT (2007)
Enrollment Services Operations Manager, Enrollment Services
A.S., Columbia State Community College - Mass Communications (2001)
B.S., Middle Tennessee State University - Professional Studies (2006)
M.Ed., Middle Tennessee State University - Education (2011)
- LINDSEY, LORI (2012)
Coordinator, Tennessee Grants and Scholarships, Financial Aid
A.S., Columbia State Community College - Physical Education (2005)
B.S., Martin Methodist College - Physical Education (2007)
- LITTRELL, JOHNNY (2012)
Interim Director of Athletics and Women's Softball Coach
- LONG, DEBBIE (2006)
Analyst, Human Resources
B.S., University of Tennessee, Martin - Business Administration (1990)
M.B.A., University of Phoenix - Business Administration (2003)
- LUTTRELL, KAY G. (1987)
Computer Programmer Analyst, Information Technology
A.A.S., Columbia State Community College - Data Processing (1980)
- LYNCH, HEATHER (2013)
Completion Coach, RxTN
B.S., Middle Tennessee State University - Organizational Communication (2009)
- MARTIN, CHRISTA F. (1979)
Assistant to the President for Access and Diversity
A.A.S., Columbia State Community College - Data Processing (1975)
B.B.A., Middle Tennessee State University - Information Systems (1976)

M.S., Middle Tennessee State University - Information Systems (1988)
Ed.D., Nova Southeastern University - Higher Education Leadership (2012)

MASSEY, KATHY (1999)
Technician, Veterinary Technology
A.A.S., Columbia State Community College - Animal Hospital Technology (1981)

McCORMICK, SONJA (1993)
Coordinator, Records
A.S., Columbia State Community College - Sociology (1985)
B.A., Austin Peay State University - Sociology (1987)
M.A., Western Kentucky University - Sociology (1989)

McDONALD, RION (2009)
Director, Institutional Research
B.S., University of Southern Mississippi - Business Administration (1995)
M.A., University of Alabama, Birmingham - Education (1997)
M.A., University of Alabama - Economics (2006)

McDOW, ELIZABETH (1987)
Director, Lewisburg Site
B.S., University of Montevallo - Physical Education (1973)
M.Ed., Middle Tennessee State University - Administration and Supervision (1988)

MEADE, ELLEN B. (1986)
Network Systems Analyst, Information Technology
B.S., University of Alabama - Computer Science (1981)

MILLER, CHRISTIE (2014)
Director of Human Resources, Human Resources
A.S., Columbia State Community College - Office Administration (1995)
B.S., Excelsior College - Human Resources Management (2002)

NEAL, WINSTON (2015)
Men's Basketball Coach, Athletics
B.S., Georgia Institute of Technology - Management (2002)
M.S.A., Loyola Marymount University - Marketing (2004)

NELMS-CLARK, SHERICA (2010)
Director, Student Support Services, TRiO
B.S. Middle Tennessee State University - Political Science (1997)
M.Ed. Tennessee State University - Education Administration and Supervision (2001)
Ed.D., Lipscomb University - Learning Organizations and Strategic Changes (2012)

NODJAK, JENNIFER (2015)
Social Media & Special Events Coordinator, Marketing and Public Relations
B.A., The Ohio State University, Columbus - Communications (2015)

PERRY, HOPE (2014)
Academic Coordinator, Student Support Services (TRIO)
B.A., University of North Alabama - German (1993)

PILLOW, FREDA LESLIE (2010)
Career Counselor, Student Services
B.S., Tennessee State University - Communications (1994)

PUJOL, KELLEY (2013)
Coordinator, Evening Services and Cohort Programs
M.A., University of Denver - Creative Writing (2008)
Ed.D., Trevecca University - Leadership and Professional Practice (2012)

RAY, REGINA (2000)
Coordinator, Veterans and Scholarships, Financial Aid
A.A.S., Columbia State Community College - Business Technology (2000)
B.S., Martin Methodist College - Accounting (2007)

REEVES, ANNE (2007)
Tutor Coordinator, Teaching and Learning Center
B.S., Middle Tennessee State University - Mass Communications (1987)

RICHARDS, ANITA KAYE (2007)
Retention Coordinator, Science, Technology and Mathematics Division
A.S., Columbia State Community College - General Transfer (1997)
B.S., Middle Tennessee State University - Interdisciplinary Studies (1999)

RILEY, JILL (2014)
Chief Enrollment Services Officer and Director of Admissions, Enrollment Services
B.A., Georgia Court University - Mathematics (1989)
M.A., Georgia Court University - Mathematics (1997)

ROBERTSON, ADAM (2013)
Student Services Coordinator, Lawrence County Center
B.S., University of North Alabama - Elementary Education (2007)
M.S., Mississippi State University - Counselor Education: Student Affairs Administration (2009)

RYAN, GENA (2010)
Coordinator, Teaching and Learning Center - Franklin
B.S., Murray State University - Elementary Education (1983)
M.A., Austin Peay State University - Educational Administration / Supervision (1987)

SCOTT, ANNE (2005)
Librarian I, Library
B.A., University of Alabama, Huntsville - Communications (1986)
M.L.S., University of Alabama - Library Service (1988)

SEYBERT, BRETT (2015)
Grants and Prospect Research Development Officer, Office of Advancement
B.A., Milligan College - Communications (2007)
M.A., East Tennessee State University - English (2011)

SICIENSKY, EMILY (2004)
Associate Vice President, Information Technology
B.S., Middle Tennessee State University - Psychology (1973)
M.B.A., Western New England University - Business Administration (1985)
Ed.D., Lipscomb University - Learning Organizations and Strategic Changes (2014)

SMITH, CHERYL (2013)
Nursing Clinical Coordinator, Health Sciences
A.A.S., Columbia State Community College - Nursing (1985)
B.S.N., University of North Alabama - Nursing (1992)
M.S.N., University of Phoenix - Nursing (2004)

SMITH, ERICA (2015)
Internal Auditor
A.S., Enterprise State Community College (1989)
B.A., Austin Peay State University - Business Administration (1994)
M.A., Appalachian State University - Higher Education (2014)

SMITH, JANET F. (2008)
President

B.S., Austin Peay State University - Health and Physical Education (1969)
 M.A., Austin Peay State University - Curriculum and Instruction (1971)
 Ph.D., Peabody College of Vanderbilt University - Higher Education Administration (1983)

SMITH, MARGARET D. (2009)
Executive Vice President - Provost, Academic and Student Programs and Services
 B.S., Austin Peay State University - English and Speech / Theater (1970)
 M.A., Austin Peay State University - English (1975)
 Ph.D., Peabody College of Vanderbilt University - Higher Education Administration (1981)

SPEARS-BOYD, AMY (2008)
Director, Marketing and Public Relations
 A.A., Columbia State Community College - English (1999)
 B.S., Middle Tennessee State University - Mass Communication (2002)
 M.Ed., Middle Tennessee State University - Education (2011)

STAUBUS, EMILY (2015)
Retention Coordinator, Health Sciences
 B.B.A., Bridgewater College - Business Administration/Marketing (2007)

ST. PIERRE, JOLINA (2012)
Public Relations Coordinator, Marketing and Public Relations
 A.S., Columbia State Community College - Mass Communications (2009)
 B.S., Middle Tennessee State University - Mass Communications (2011)

SZTAPKA, MICHAEL (2007)
Enrollment Recruiter, Enrollment Services
 A.A., Mesa Community College - General Studies (1997)
 B.A., DePaul University - English (2000)
 M.Ed., Middle Tennessee State University - Education (2011)

TRYBALSKI, ROBERT (2003)
Coordinator, Instructional Technology Support Services
 B.A., Trevecca Nazarene University - Management and Human Relations (2002)
 M.S., Middle Tennessee State University - Mass Communication (2005)

WALKER, RALPH (1992)
Director, Williamson County Center
 B.S., Austin Peay State University - Geology (1982)
 M.A.Ed., Austin Peay State University - Curriculum and Instruction (1990)

WILKINSON, MICHELE (2015)
Pryor Art Gallery Curator, Office of Advancement
 B.S., Towson University - Art Education and Studio Art (1978)

WILLIAMS, RONDA (2014)
Enrollment Recruiter, Enrollment Services
 B.A., University of Mount Union - Communications and Mass Media (2002)
 M.A., University of Akron - Organizational Communications (2004)

WILSON-MARTIN, SANDRA (2015)
President's Leadership/Student Leadership Coordinator, Student Services
 A.S., Columbia State Community College (2006)
 B.A., Middle Tennessee State University - Political Science (2009)
 M.A., Middle Tennessee State University - Initial Licensure Program K-6 (2011)

WINTERS, GLENNA (2000)
Professional and Instructional Development Specialist, Instructional Support
 A.A.S., Columbia State Community College - General Technology (2007)

WINTERS, TOM (2000)
Network Administrator, Information Technology
 A.S., Nashville State Technical Institute - Computer Technology (1984)

YATES, BETTY (1988)
Executive Assistant to the President
 A.A.S., Columbia State Community College - Office Administration (1990)
 C.P.S., International Association of Administrative Professionals (1995)

Support Staff

ALEXANDER, WILLIAM (2000)
Security Guard I, Facility Services

ANDERSON, MARGARET W. (1995)
Secretary II, Library
 Certificate, Alexander City Junior College - Secretarial Science (1977)
 C.P.S., International Association of Administrative Professionals (1996)

ARMSTRONG, DEBORAH (1987)
Processing Clerk, Enrollment Services

ARMSTRONG, PEGGY (2005)
Custodian, Facility Services

BAILEY, BETTY (2010)
Testing Assistant, Testing Services
 A.S., Columbia State Community College - General Transfer (2006)
 B.S., Austin Peay State University - History (2008)

BASSHAM, DEAN (2010)
Custodian, Facility Services

BERRY, RORY (2004)
Library Assistant III, Library
 A.S., Columbia State Community College - General Transfer (1989)
 B.S., Athens State University - Liberal Studies (2001)

BOBO, EUGENIA (1995)
University Center and RODP Student Support Specialist
 A.A.S., Columbia State Community College - Accounting (1988)
 A.S., Columbia State Community College - General Transfer (1980)
 B.S., Middle Tennessee State University - Professional Studies (2006)
 C.P.S., International Association of Administrative Professionals (1996)
 M.Ed., Middle Tennessee State University - Education (2011)

BOOKER, CHARLES A. (1992)
Custodial Lead Worker, Williamson County Center

BOSHERS, LINDA (1988)
Administrative Secretary, Academic and Student Programs and Services
 A.S., Columbia State Community College - Business (1986)
 C.P.S., International Association of Administrative Professionals (1995)

BRASHER, ROBERT A. (2012)
Custodial Lead Worker, Clifton Site

- CARDIN, JOE THOMAS (2006)
Maintenance Mechanic, Facility Services
A.S., Columbia State Community College - General Transfer (2012)
- CARNES, COLTON (2015)
Lead Desktop Support Technician, Information Technology
- CONANT, SHARON (2014)
Secretary II, Health Sciences
CPS, International Association of Administrative Professionals (2008)
- COOPER, DAVID (2006)
Maintenance Mechanic, Facility Services
- CRAWFORD, JACKIE (2006)
Processing Clerk, Enrollment Services
A.A.S., Columbia State Community College - Business Technology (2004)
A.S., Columbia State Community College - General Transfer (2006)
- DAVIDSON, NANCY (2013)
Account Clerk II, Business Services
B.S., Georgia Southwestern State University - Business/Accounting (1980)
- DAVIS, DIANE (2012)
Secretary/Clerk, Access and Diversity
A.S., Columbia State Community College - General Transfer (2010)
B.A., Trevecca Nazarene University - Management and Human Relations (2014)
- DERRYBERRY, LIVIA (1980)
Records Clerk, Health Sciences Division
B.S.E.E., Austin Peay State University - Elementary Education (1974)
C.P.S., International Association of Administrative Professionals (2000)
- DUNCAN, JENNIFER (2008)
Processing Clerk, Enrollment Services
A.A.S., Columbia State Community College - Office Administration (1997)
C.P.S., International Association of Administrative Professionals (2010)
- ESTES, DEBBORA (2004)
Custodian, Facility Services
- FINCH, JENNA (2013)
Technical Clerk, RxTN
B.S., Western Michigan University - Education (1970)
- GAIRRETT, JOLENE (2012)
Enrollment Services Customer Service Clerk, Enrollment Services
A.S., Columbia State Community College - General Transfer (2008)
B.S., Middle Tennessee State University - Liberal Studies (2011)
- GOOCH, KIMBERLY (2014)
Accounts Payable Clerk, Accounts Payable
- GUM, KATHRYN (2000)
Administrative Secretary, Student Services
A.S., Columbia State Community College - Professional Studies (2004)
- C.P.S., International Association of Administrative Professionals (2001)
- GWIN, KELLIE (2000)
Processing Clerk, Enrollment Services
A.S., Columbia State Community College-General Transfer (2001)
- HAGAN, ELIZABETH (2014)
Secretary III, Advancement
- HALTER, JAYNE (2005)
Help Desk/Administrative Coordinator, Information Technology
A.A.S., Columbia State Community College - General Technology (2007)
B.A., Trevecca Nazarene University - Management & Human Relations (2013)
- HARDY, NANCY (1999)
Secretary II, Humanities and Social Sciences Division
A.A.S., Kingsborough Community College - Secretarial Science (1990)
- HARPER, SHIRLEY (1999)
Secretary II, Williamson County Center
- HARRIS, MARINA (2015)
Security Guard I, Facility Services
- HARTSFIELD, MELANIE LYNNE (2006)
Account Clerk III, Business Services
B.B.A. Athens State University - Business Administration (2004)
- HAYES, LILLIAN (1989)
Custodial Lead Worker, Lawrence County Center
- HOLT, BRENT (2013)
Utility/Grounds Worker, Facility Services
- HUMPHREY, JAMES (1998)
Maintenance Utility Worker, Facility Services
- KEETON, CRYSTAL (2005)
Learning Center Specialist, Lawrence County Center
A.S., Columbia State Community College - Business (2000)
- KEETON, PATRICIA (2001)
Custodian, Facility Services
- KELLMAN, PENELOPE (2003)
Secretary II, Humanities and Social Sciences Division and Science, Technology and Mathematics Division
C.P.S., International Association of Administrative Professionals (2006)
A.S., Columbia State Community College - General Transfer (2012)
- KROUSE, TRAVIS (2013)
Customer Service Clerk, Enrollment Services
B.A., Lipscomb University - Bible (2008)
- MAXWELL, LAUREN (2003)
Account Clerk II/Lead Cashier, Business Services
- McGREW, M. HELEN (1994)
Maintenance Mechanic, Facility Services
- MOORE, RODNEY (2004)
Custodian, Facility Services

- MOORE, WANDA K. (1980)
Lead Worker, Records
A.A.S., Columbia State Community College - Office Administration (1990)
- NEAL, YOLANDA C. (1997)
Secretary II, Student Services
A.S., Columbia State Community College - Early Childhood Education (1999)
B.S., Indiana Institute of Technology - Business Administration (2001)
- NOLAN, JOHN (1995)
Custodial Lead Worker, Facility Services
- OGILVIE, YOLANDA (2011)
Testing Assistant, Testing Services
A.A.S., Columbia State Community College - Office Administration (1999)
B.A., Trevecca Nazarene University - Management (2005)
- POBST, SUSAN (2014)
Campus Receptionist/Operator
B.A., Covenant College - Elementary Education (1986)
- POE, RENEE (2008)
Library Assistant II, Library
- POLK, RICKY (1989)
Custodian, Facility Services
- RAY, DANNIE (2009)
Custodian, Facility Services
- RIDGEWAY, TINA (2013)
Secretary, TRiO
Certificate, Columbia State Community College - Medical Transcriptionist (1999)
- ROCHELLE, CLARICE (2014)
Payroll Clerk, Business Services
- ROGERS, TIMOTHY (2008)
Learning Center Specialist, Lewisburg Site
A.S., Columbia State Community College - General Transfer (2006)
B.S., Middle Tennessee State University - Liberal Studies ((2014)
- ROUNTREE, KATIE (2014)
Secretary II, President's Office
- SCOTT, DEBBIE (1999)
Mail and Inventory Clerk II, Facility Services
- SEWELL, MARION DEAN (2014)
Utility/Grounds Worker, Facility Services
- SHARP, THERESA (2012)
Interim Secretary, Center for Workforce Development
B.B.A., Middle Tennessee State University - Business (1981)
- SLAUGHTER, WILLIAM (1999)
Security Guard I, Facility Services
- SNOVER, DORIS (2008)
Security Guard I, Facility Services
- STINNETT, KELLY (1992)
Administrative Secretary, Faculty, Curriculum and Programs
A.A.S., Columbia State Community College - Office Administration (1991)
C.P.S., International Association of Administrative Professionals (1995)
- TAYLOR, PATRICK (2011)
Custodial Lead Worker, Lewisburg Site
- TAYLOR, STARR (2015)
Desktop Technician, Information Technology
A.A. S., State Technical Institute in Memphis - Information Technology (1999)
A.S., Southwest Tennessee Community College - University Parallel (2008)
- TKACZYK, HOLLY (2006)
Library Assistant III, Library
B.A., Michigan State University - English (1990)
- TOMLIN, LLOYD (1998)
Computer Lab Technician, Information Technology
- TUCKER, DAYNA (2015)
Account Clerk II, Business Services
A.S., Columbia State Community College - General Studies (2012)
- WEBSTER, KELVIN (2015)
Campus Support Specialist, Williamson County Center
A.S., Columbia State Community College - Business (1987)
B.S., Middle Tennessee State University - Sociology/Psychology (1992)
- WERNER, FREDA (1993)
Secretary II, Science, Technology and Mathematics Division
A.A.S., Columbia State Community College - Office Administration (1991)
C.P.S., International Association of Administrative Professionals (1995)
- WESTMORELAND, MAX (2002)
Mail Courier, Facility Services
A.A.S., Columbia State Community College - Industrial Technology (1983)
B.B.A., Cumberland University - Business Administration (1987)
- WILLIAMS, BILL (2012)
Electronic Media Technician, Instructional Technology Support Services
A.S., Columbia State Community College - Mass Communications (2008)
B.S., Middle Tennessee State University - Electronic Media Production (2010)
- WOODY, KATRINA (2011)
Secretary II, Health Sciences Division
A.A.S., Columbia State Community College - Office Administration (2007)
C.P.S., International Association of Administrative Professionals (2012)
- WORKMAN, NIETA (2000)
Custodian, Facility Services

Columbia State Advancement and Foundation

On June 22, 1965, the State board of Education approved Columbia as the site of Tennessee's first community college. At last, a college education would be more accessible for the residents of South Central Tennessee.

The Columbia State Community College Foundation was formed in 1971 as an institutionally related, yet independently chartered and separate 501(c) (3). Trustees are leaders in Columbia State's service area who contribute their time, experience, funds, and wisdom in selfless services to the College and community.

Mission

The Columbia State Foundation's mission is to support and partner with Columbia State to positively impact our communities and student success through the maintenance and enhancement of resources. This is achieved by excellence in relationship building, fundraising, and investment management.

2014-2015 Executive Board

Mr. Barry White, *Chair*
 Mr. Patrick Gilbert, *Vice-Chair*
 Mr. Waymon Hickman, *ex-officio, Honorary Foundation Trustee*
 Mr. Kenneth R. Horner, *ex-officio, Treasurer*
 Ms. Bethany Lay, *ex-officio, Executive Director/Secretary*
 Dr. Janet F. Smith, *ex-officio*
 Ms. Debbie Hardy, Development Committee, *Chair*
 Mr. Kirk Kelso, Development Committee, *Vice-Chair*
 Mr. John Carroll, Investment/Finance Committee, *Chair*
 Ms. Johnnie Ruth Elrod, Investment/Finance Committee, *Vice-Chair*
 Mr. Brian Williams, Trustees Committee, *Chair*
 Mr. Will Wilson, Trustees Committee, *Vice-Chair*

Foundation Board

Charlotte G. Battles	Bill Marbet
Thomas M. Bottoms	Alma McLemore
Pearl Bransford	Chaz Molder
Harvey Church	Dr. Kenneth Moore
Dustin Flowers	Keith Powell
Dr. Paul O. Gaddis	W. Fred Reynolds
Melanie Hartsfield	Jason F. Rich
Kenny Hay	Ben Rudd
Stephanie Hubbard	Emily Siciensky
Shane Hughes	Con Vrillas
De'Marcus Jackson	H. Alan Watson
Anthony Kimbrough	Sondra Wilson-Martin
Elizabeth Lovell	Jerry Winton

Columbia State Alumni Relations

Alumni Relations is within the Office of Advancement. Alumni Relations works to cultivate, maintain, and deepen relationships between Columbia State Community College and its current and future alumni. The Office of Alumni Relations is committed to connecting with alumni and keeping alumni connected to the College. The Columbia State Alumni Relations invites all graduates to stay connected to the College.

The Alumni Relations Advisory Council promotes Columbia State within the community with an emphasis on engaging alumni and utilizes member talents to participate in college initiatives to strengthen alumni relations.

Advisory Committees and Clinical Instructors

Advisory Committees

Advanced Integrated Industrial Technology

Thomas Collins, Assurance Operations, Lawrenceburg, TN
 Lynn Funk, TN Aluminum Processors, Mt. Pleasant, TN
 Roger Fuller, Modine Inc., Lawrenceburg, TN
 Mark Jent, Modine, Inc., Lawrenceburg, TN
 Donna King, Cosmolab, Lewisburg, TN
 Albert Kirstiens, Mt. Pleasant Power Systems, Mt. Pleasant, TN
 Brian Stockholm, Precision Design & Machine, Inc. Nashville, TN
 Bill Phillips, Swarco, Columbia, TN
 Lee Skelton, Production Engineer, W. R. Grace, Mt. Pleasant, TN
 Gary Wedlake, Wedlake Industries, Hohenwald, TN

Business

Harvey Church, President, Maury County President, First Farmers and Merchants Bank
 Alison Gengelbach
 Jami Gesselle, HR Coordinator, Integrity
 Bryan Riddle, Analyst Warranty Systems, Nissan
 Jim Robinson, CFO, Heritage Bank
 Dan Ryan, Principal, Ryan Search & Consulting
 Allison Spader, Vice President, Graphic Label Solutions

Commercial Entertainment

James I. Elliott, Chair, Songwriting, Mike Curb College of Entertainment & Music Business, Belmont University
 Tom Lawrence, WAKM Radio
 Tammy Pierchoski, CEO, STARR and Host/Regional Sales Representative, Pulaski TV Today-Channel 3
 Melissa Reierson, Communications Manager, City of Franklin
 Ron Shuff, Owner, Shuff's Music Store
 Lisa Silver, Grammy Nominated Songwriter and Recording Artist

Criminal Justice

Dana Ausbrooks, Attorney, Franklin, TN
 Terry Chandler, Detective, Mt. Pleasant Police Department
 Donnie Harville, Vanderbilt University Police Department
 Paul Kraft, Attorney, Spring Hill, TN
 Kevin Martin, CJT December 2012 Graduate, Columbia State

Emergency Medical Services - Paramedic

Donnie Bear, Director, Dickson County EMS
 Lee Anne Boeringer, TN State EMS Representative
 Jimmy Contreras, Director of Education, First-Call Ambulance
 Scott Giles, MD, Medical Director; AirEvac
 Jeffrey Guy, MD, Chief Medical Officer; Centennial Women's and Children's Hospital
 Kae Fleming, Dean, Health Sciences, Columbia State Community College
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