



Columbia State
COMMUNITY COLLEGE

Catalog 2007-2008



Columbia State Community College is a member of the State University and Community College System of Tennessee (the nation's sixth largest system of higher education, enrolling approximately 180,000 students). It is governed by the Tennessee Board of Regents.



Campus Locations

Columbia Campus

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

Clifton Site

795 Main Street
Clifton, TN 38425
(888) 346-6581
(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) 270-1358

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 Commission on Colleges of the Southern Association of Colleges and Schools to award the associate degree. In addition, some of the college programs have specialized accreditation by the following agencies:

Emergency Medical Technology

Committee on Accreditation of Educational Programs for the EMS Profession
1248 Harwood Road
Bedford, TX 76021-4244
(817) 283-9403
www.caahep.org

Nursing

National League for Nursing Accrediting Commission
61 Broadway, 33rd Floor
New York, New York 10006
(800) 669-9656, Ext. 153
(212) 363-5555
Fax: (607) 723-8408
www.nlnac.org

Radiologic Technology

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

Respiratory Care

Committee on Accreditation of Allied Health Education Programs
1361 Park Street
Clearwater, FL 33756
(727) 210-2350
www.caahep.org

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

Veterinary Technology

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



President's Welcome

Welcome to Columbia State Community College *Your Success Starts Here — With Us!*

At Columbia State we know the benefits and value of getting a college education. First — we work very hard at helping you get into college. And then we work very hard at helping you achieve **success** while you are with us.

We recognize what busy lives you have. So we try to make getting to classes easier with our five conveniently located campuses and with our array of courses offered on-line over the Internet. Our staff, with the help of technology, works to make admission, advising, registration, and financial aid processes as efficient for you as possible.

We're also concerned about keeping tuition affordable. We help you obtain as much financial assistance as possible. Last year, more than half of Columbia State's students received financial aid in the form of grants, loans, scholarships, and student employment — more than \$10 million totally.

But gaining access to Columbia State is just the beginning. What is equally important to us is your success. We want you to have exceptional learning **success** during your experience here at Columbia State, and we want you to establish a solid foundation for future learning.

Columbia State is purposefully realigning its programs and services to be more student-learning centered. We appreciate that our students learn in different ways and at different rates. You truly are a diverse group! We recognize that our students learn best and retain the longest what they learn in real-life and near-real-life settings. We also know that you learn best through application and practice. We are intentionally and continually developing new ways and creating new learning environments to help you attain **success** here at Columbia State and build a foundation for your future learning **success**.

What is student **success**? We believe it's all about you — developing and being prepared with critical thinking skills, team building skills, and oral and written communication skills. And, it's all about you — valuing education and becoming a responsible life-long learner.

On behalf of the faculty and staff, thank you for choosing Columbia State Community College.
Your Success Starts Here — With Us!

Sincerely,

O. Rebecca Hawkins
President



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**The 2007-2008 Catalog/Student Handbook is the last printed version.
The online catalog can be found at www.columbiastate.edu.**

Columbia State Community College is committed to the education of a non-racially identifiable student body. The College does not discriminate on the basis of race, sex, color, religion, national origin, age, disability, or veteran status in educational and employment opportunities. Inquiries or complaints should be directed to the Director of Human Resources, Pryor Administration Building, 1665 Hampshire Pike, Columbia, TN 38401.

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

Academic Calendar

This calendar is 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 2007

August 20	Faculty Report
August 21	Last Day to Register without Incurring a Late Charge
August 23	Students Check Their Schedules for Cancelled Classes
August 24	Last Day to Register and Submit Applications for Admissions
August 27	Classes Begin
August 27-28	Adjustment Period for Registered Students-Last Days to Modify a Schedule
September 3	Holiday (Labor Day)
September 20	Deadline for Submitting Spring 2008 Intent to Graduate
October 15-16	Fall Break
November 8	Last Day to Drop, Withdraw or Change to Audit
November 12	Begin Spring 2008 Priority Registration for Current Students
November 21	No Saturday Classes After 5:00 P.M. (Thanksgiving Holiday)
November 22-24	Holiday (Thanksgiving)
November 25	No Saturday Classes (Thanksgiving Holiday)
December 10	Classes End
December 11-15	Final Exams
December 17	Grades Due

SPRING SEMESTER 2008

January 7	Faculty Report
January 8	Last Day to Register Without Incurring a Late Charge
January 10	Students Check Their Schedules for Cancelled Classes
January 11	Last Day to Register and Submit Applications for Admissions
January 14	Classes Begin
January 14-15	Adjustment Period for Registered Students-Last Days to Modify a Schedule
January 21	Holiday (Martin Luther King Day)
February 14	Deadline for Submitting Summer 2008 Intent to Graduate
March 3-8	Spring Break
March 21	Holiday (Good Friday)
March 22	No Saturday Classes (Good Friday Holiday)
March 27	Last Day to Drop, Withdraw or Change to Audit
April 7	Begin Summer 2008 and Fall 2008 Priority Registration for Current Students
April 17	Deadline for Submitting Fall 2008 Intent to Graduate
April 28	Classes End
April 29-May 3	Final Exams
May 5	Grades Due
May 6	Graduation

SUMMER SEMESTER 2008

May 22	Last Day to Register Without Incurring a Late Charge
May 24	Students Check Schedules for Cancelled Classes
May 26	Holiday (Memorial Day)
May 27	CLASSES BEGIN (First and Full Term)
June 30	FIRST TERM CLASSES END
July 1	CLASSES BEGIN (Second Term)
July 4	Holiday (Independence Day)
August 4	SECOND and FULL TERM CLASSES END
August 6	Grades Due

General Information

Vision

Columbia State Community College builds pathways to success for individuals and communities in a changing economic and social environment.

Core Values

At Columbia State Community College, we place high value on...

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

Statement of Mission

Columbia State Community College, a Tennessee Board of Regents institution in southern middle Tennessee, is dedicated to providing access to collegiate education, promoting lifelong learning and supporting community development.

In fulfilling its mission, Columbia State provides academic, student and administrative services to promote achievement of educational, professional and personal goals. The College works with other institutions to develop and implement articulation agreements that facilitate student transfer. The College supports workforce development by delivering education and training responsive to business and industry needs.

Columbia State provides general transfer and career degrees, technical certificates, developmental studies and continuing education opportunities at locations throughout the College's service area and Online. The College promotes academic excellence with emphasis on student learning that builds knowledge, develops skills and broadens perspectives. In addition, Columbia State initiates partnerships in support of economic and community development and contributes to intellectual, cultural, physical and social advancement in its service area.

Columbia State recognizes the merits of employees and supports their professional development activities. The College encourages mutual respect in interactions among employees, students and communities it serves, provides services in safe and secure environments, and is committed to maintaining a climate that promotes diversity and access without regard to race, gender, religion, national origin, age, disability, or veteran status.

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 new 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 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.

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 services, student services, 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.

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. For more information, call (888) 346-6581 or (931) 676-6966; fax (931) 676-6941; or email milligan@columbiastate.edu.

Lawrence County Center

The Lawrence County Center offers many traditional and nontraditional educational opportunities for the citizens of Lawrence County and surrounding areas. The Center is located at 1620 Springer Road, Lawrenceburg, Tennessee. For more information, call (931) 766-1600; fax (931) 766-1602; or email rholt@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) 270-1358; or email mcdow@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. 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 walker@columbiastate.edu.

Evening Services

The Columbia campus Student Information Center, located in room 151 in the Jones Student Center, provides evening student services and information support after 4:15 p.m. until 6:30 p.m. on the Columbia campus. Evening services are also available at all of the College's campus locations.

Limitatons 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 and Registration 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 gender. Columbia State shall ensure that equal opportunity and nondiscrimination exist for all students without regard to gender, including but not limited to, the following: (1) recruitment and admission; (2) academic, extracurricular, research, occupational training and other education programs; (3) rules on student life activities; (4) facilities; (5) access to course offerings; (6) counseling; (7) financial assistance; (8) employment assistance; (9) benefits and services; (10) rules on marital or parental status; and (11) athletics.

Inquiries concerning this statement, its application to students, or any regulations subsequently developed should be directed to the Director of Human Resources, 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").

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

Admission application forms and services are available in the Student Information Center on the Columbia campus or at the administrative offices at all of the College's campus locations.

All male students, born in 1960 or later, who have attained the age of 18, must have proof of draft registration before registering for classes at Columbia State.

Effective July 1, 1998, proof of immunization with two doses of Measles, Mumps, and Rubella (MMR) vaccines administered on or after the first birthday is required by state law for attendance at Columbia State Community College. All entering students, born after 1956, must furnish documented proof of having immunity or having been immunized with two doses of MMR vaccine, unless contraindicated because of pregnancy, allergy to a vaccine component, or other valid medical reasons.

By state law (Tennessee Code Annotated 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 form, **must** be returned to the Admissions office. Students who do not provide the properly completed certificate prior to registration for their second semester at Columbia State **will not be allowed to register until an acceptable form is on file.**

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 and sign a waiver form provided by the College that includes detailed information about the disease. All entering first-time students must complete this form and return it to the Admissions office before they will be allowed to enroll in classes.

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 priority processing application deadline in each semester course schedule 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.

Former Columbia State 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. A non-refundable application fee will be assessed at the time of initial registration in classes.
 - 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 (T.C.A. 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 acceptable GED scores.

- 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:

- be at least 18 years old.
- submit a completed application for admission. A nonrefundable application fee will be assessed at the time of initial registration in classes.
- submit an official transcript of scores for the General Education Development (GED) test indicating a composite score of at least 450. Certified copies must be forwarded directly to the Admissions office at Columbia State from the issuing agency.
- 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 and have a grade point average equal to that required for retention at Columbia State (see "Retention Standards" on the Academic Information page). Students who do not meet the required grade point average may be admitted as a transfer student on probation.

After application is made to Columbia State, transfer credit evaluations are conducted (see "Acquiring Credit").

All transfer students must:

- submit a completed application for admission. A nonrefundable application fee will be assessed at the time of initial registration in classes.
- 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.
- submit an official high school transcript showing graduation or official GED scores with a composite score of 450 or higher, if less than 60 semester credits have been transferred, or when deemed necessary for placement.
- undergo assessment and placement if the student does not meet a stated course prerequisite or basic academic competencies.
- 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 audit (sit in) a credit course without earning credit. Students who wish to audit a course(s) must obtain approval of the director of records and registration. 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.

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 change of registration procedures.

Undergraduate Special Students are students who have graduated from high school or who have earned a GED equivalency with a composite score of at least 450 but do not wish to be admitted as undergraduate degree students.

Students who **have not attended** an institution of higher education must submit an official high school transcript or GED scores.

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 who have not earned a GED equivalency with a composite score of at least 450 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:

- schedule an interview with the assistant director of admissions or the director of the off-campus center/site where the student plans to attend.
- submit a completed application for admission. A nonrefundable application fee will be assessed at the time of initial registration in classes.

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 transcript from the parent institution must be submitted to the Admissions office to ensure that a transient student has the required background (prerequisites) and is eligible to enroll in a course or courses. A non-refundable application fee is required at the time of initial registration in classes.

***Limitations:** *This classification may be used for only one semester unless special permission is given by the director of admissions and financial aid.*

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.)

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 of Columbia State's locations.

Upon graduation from high school, students must reapply and be readmitted to the College.

High School Juniors and Seniors — To be eligible for college courses, students must:

1. have a cumulative high school GPA of at least 3.0.
2. have an ACT Reading score of 19 (or SAT composite of 900).
3. if wishing to enroll in math courses, math-related science courses, English or speech courses, meet ACT/SAT requirements as follows:

<u>College Subject</u>	<u>ACT</u>	<u>SAT</u>
Math & related Sciences	19 + math	460 + math
English/Speech	19 + English	460 + verbal

4. submit a Dual Enrollment application complete with signatures of consent from the parent/guardian and high school principal/guidance counselor. A non-refundable application fee will be assessed at the time of initial registration in classes.
5. submit an official high school transcript.
6. submit ACT/SAT scores (students who do not have ACT/SAT scores may be eligible for certain courses if their GPA is at least 3.2).

To continue in dual enrollment, students must maintain a 2.0 college GPA. Students admitted without ACT/SAT scores but with a 3.2 GPA must submit an ACT Reading score of 19 or SAT composite of 900 before enrolling for a second semester.

Other High School 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 postsecondary 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 Educational Program (IEP) as established by the multi-disciplinary team process."

Academically talented/gifted students must submit the following:

1. completed application for admission. A non-refundable application fee will be assessed at the time of initial registration in classes.
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

Columbia State is authorized under federal law to enroll nonimmigrant alien students on "F-1" student visas. Students must submit the following before admission will be considered:

1. completed application for admission. A non-refundable application fee will be assessed at the time of initial registration in classes.
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 TOEFL or 173 on the computer based TOEFL. Additional institutional placement assessment may be required of all international students.
4. affidavit of financial support to show financial capability of first year fees of at least \$22,810. 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) vaccine, if born in or after 1957.
7. complete and sign 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 through 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 Economic and Community Development. For more information, call (931) 540-2660. 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"). The Center for Economic and Community Development awards continuing education units to participants of qualifying non-credit courses.

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 (SAT 900 composite) with ACT English and mathematics subscores of 19 or above (SAT, 460 verbal, 460 math) are eligible to pursue college-level credit courses. Students that do not have scores sufficient to place into college-level courses will be placed into developmental studies courses accordingly. For placement purposes, ACT or SAT scores must be dated within three years prior to the first day of the first semester of enrollment.

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 developmental studies course(s).

**Additional Admissions Requirements for Transfer Programs (A.A., A.S.)
Tennessee Board of Regents and University of Tennessee Admission Standards**

Students admitted to community college transfer programs who do not have the required high school units and who graduated from high school spring 1989 or later or received the GED spring 1989 or later must take specific courses to remove these deficiencies. A grade of "C" or better must be earned in these courses. Collegiate courses taken to remove high school unit deficiencies may not count toward a specific course requirement for any degree. However, collegiate courses taken to remove high school unit deficiencies may be used as electives within a degree program.

- English **4 units**
- Mathematics
 - Algebra I and II **2 units**
 - Geometry or other advanced math course with Geometry as a major component **1 unit**
 - or**
 - Integrated Math Sequence (I, II, III) **3 units**
- Natural/Physical Science **2 units**
- One unit must be a laboratory course in biology, chemistry or physics.
- Social Studies. **1 unit**
- U.S. History **1 unit**
- Foreign Language **2 units**
- in the same language
- Visual/Performing Arts. **1 unit**

A listing of courses to remove high school deficiencies may be obtained from the following locations: Admissions office, Advising, Clifton Site, Lawrence County Center, Lewisburg Site, or Williamson County Center.

Programs with Special Admission Requirements

Health Science Programs

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

1. Emergency Medical Technology — Paramedic
2. Nursing
3. Radiologic Technology
4. Respiratory Care
5. 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 section describing that program.

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

1. Apply for admission to the College (see "Admission to the College").
2. Apply for admission to the specific program as outlined by the specific program admission procedures in the catalog section describing that program.

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 are required to 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 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 health science programs.

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 your program. Additionally, a criminal background may preclude licensure or employment. More information is available from your 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 three areas: dance, drama, or singing. Students must be physically able to participate in all three areas. Admissions requirements are listed with the Commercial Entertainment Certificate Programs.



Institutional Fees and Refunds

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. A student may enroll at the beginning of any semester. Registration at the beginning of each semester 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 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.

Student identification (ID) cards are issued to all students. This ID card is used for cashing checks and bookstore transactions, checking books out of the library, other identification, and admission to athletic events, social functions, and other college activities.

Expenses

Registration Fees — Tennessee Residents

Maintenance fees are assessed on a per-semester-hour basis up to an established maximum. Hours in excess of 12 taken in any semester (excluding summer) are included in the maximum fee limitation and no charge is assigned to them. Maintenance fees are determined annually by the Tennessee Board of Regents. Maintenance fees for in-state students for 2007-2008 are \$95 per hour up to a maximum of \$1,115 per semester.

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 Admissions office if you qualify.
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 and access fee are required.
4. Accelerated programs will be assessed on a per-semester hour basis with no established maximum.

5. 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 feel they qualify under this definition should contact the coordinator of disability services for more information.

Registration Fees — Non-residents of Tennessee

Maintenance fees for non-residents of Tennessee for 2007-2008 are \$384 per hour up to a maximum of \$4,453 per semester.

Residency Classification — 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. These regulations state that: (1) students receiving support from their parents are residents of the same state as their parents, and (2) students independent of parental support establish Tennessee residency for fee purposes by producing evidence of domicile to the College's satisfaction and proving that they came to Tennessee for reasons other than obtaining an education for themselves or their spouses.

The responsibility for residency classification rests with the director of admissions and financial aid and all requests must be sent to the director. Residency classification may be appealed to the vice president for student services and enrollment management.

Non-Credit Courses

The Center for Economic and Community 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.

Summer Term Fees

Fees and expenses for the summer term are assessed on a per-semester-hour basis with no maximum.

Books and Supplies

Since the cost of books and supplies varies from one program to another and from semester to semester, only an average cost can be included in the catalog. The average cost of books and supplies is approximately \$300 per semester. Books and supplies can be purchased from the Barnes & Noble college bookstore.

Application Fee (Non-refundable)

A one-time, non-refundable application fee of \$10 is assessed at the time of initial registration at the College. An application fee is not assessed for non-credit courses.

Late Registration Fee (Non-refundable)

A non-refundable late registration fee of \$10 will be assessed for any student who does not complete registration within the period designated by the College.

Exceptions:

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 and registration that further recruiting is required in order to develop the class.

Credit by Exam Fee (Non-refundable)

A fee of \$15 per credit hour is charged for each exam a student takes to obtain "Credit by Exam."

Credit for Prior Learning Fee (Non-refundable)

A fee of \$15 per credit hour is charged for any credit awarded for prior learning.

Technology Access Fee (Non-refundable)

A technology access fee of \$10 per credit hour up to a maximum of \$112.50 per semester is included in the registration fees. This fee is non-refundable except in situations where maintenance fees are refunded at 100%.

Replacement of Lost ID Card (Non-refundable)

A non-refundable fee of \$1 is charged to replace a lost ID card.

Individual Instruction in Music

A fee of \$60 per credit hour is charged for all individual instruction courses in music.

Music fees will be refunded on the same basis as maintenance fees.

Graduation Fee (Non-refundable)

All graduating students are assessed a \$25 non-refundable processing fee, which is due when the "Intent to Graduate" form is filed.

Internet Course Fee

A fee of \$25 per credit hour will be charged for each Columbia State Internet course.

Regents Online Degree Program (RODP) Course Fee

A fee of \$39 per credit hour will be charged for each RODP course.

For more information, go to "Tuition and Fees" at www.rodpc.org or go to http://www.columbiastate.edu/financialaid/tuition_fees.htm.

Nursing Fee (Non-refundable)

Achievement test fees are charged based on the cost of the tests taken and are payable over the course of study.

Parking Fines (Non-refundable)

Students who do not register vehicles driven on campus are subject to traffic fines (see "Student Parking," in the Student Handbook under Student Life). All fines are payable in the Business Services office and double if not paid before the semester ends. Student records will be encumbered until all fines are cleared. Appeals

should be submitted to the vice president for student services and enrollment management in writing within five (5) days from the date of the citation.

Campus Access Fee (Non-refundable)

A campus access fee of \$5 per semester is included in the registration fees. This covers the cost of one parking decal. Additional decals may be purchased at a cost of \$1 per decal.

Student Activity Fee (Non-refundable)

A fee of \$3 per semester is charged to support student activities.

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.

Other Fees (Non-refundable)

General Education Development Test . . .	\$ 55
American College Testing (Residual) . . .	\$ 29
Nursing Challenge Exam	\$390
Pre-Professional Skills Test	varies according to the test

Institutional Refunds

1. Maintenance Fee Refunds
 - 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 semester at the same time require no refund or assessment of additional maintenance fees.
 - c. The basic refund for withdrawals or drops during regular semesters (fall and spring) is 75% from the first day of classes through the fourteenth calendar day of classes and then is reduced to 25% for a period of time which extends 25% of the length of the semester. There is no refund after the 25% period ends.
 - d. For summer sessions and other short terms, the 75% refund period and the 25% refund 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 semesters.
 - e. All refund periods will be rounded to whole days and the date on which each refund period ends will be included in the semester course schedules and other publications. In calculating the 75% period for other than the fall and spring semesters, and in calculating the 25% length of semester in all cases, the number of calendar days during the semester will be considered. When 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 semester. Any indebtedness will be offset against the refund.

- g. A 100% refund will be provided for students who drop or withdraw **before the first day of classes for a semester.**
- h. A 100% refund will be provided to students who are compelled by the institution to withdraw when it is determined they were academically ineligible for enrollment or were not properly admitted to enroll for the course(s) being dropped. The director of records and registration must certify in writing that this provision is applicable in each case.
- i. When courses are included in a regular semester's registration, but the courses do not begin until later in the semester, the 75% and 25% refund will be based on the particular course's beginning and ending dates. This provision does not apply to courses during the fall or spring semesters which may meet only once per week. Those courses will follow the same refund dates as other regular courses for the semester.
- j. The refund percentage is applied to the difference between the per hour rate (or maximum) for the number of credit hours immediately before the drop or withdrawal and the number immediately afterward.

2. Out-of-State Tuition Refunds

The refund provision for out-of-state tuition is the same as that for maintenance fees. A 75% refund is made for the same period and a 25% refund is made for the same period. When 100% of maintenance fees is refunded, then 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

The student financial assistance program at Columbia State Community College is designed to aid students who find it difficult or impossible to attend college without financial assistance. Columbia State offers a comprehensive program of financial assistance in the form of scholarships, grants, loans, and part-time work. Major emphasis is placed upon financial need and academic achievement.

To determine financial need, the College utilizes the results of the Free Application for Federal Student Aid (FAFSA) which takes into consideration certain factors related to the family status. Although the College endeavors to assist all qualified students as resources permit, this assistance should be viewed only as supplementary to the efforts of the student and student's family.

Please note that financial aid is not available for short-term certificates (less than 24 credit hours).

Financial aid applications and forms are available on the Web at www.columbiastate.edu, in the Financial Aid office on the Columbia campus or in the administrative office at any of the College's campus locations. **Financial assistance for fall will be awarded beginning with a priority deadline of April 15.** After this date, financial assistance will be awarded on a first-come, first-serve basis as long as funds are available. Renewal of financial assistance is not automatic; students must file a FAFSA form after January 1 each year and demonstrate satisfactory academic progress. First-time applicants must satisfy all admission requirements before assistance will be awarded.

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 Attendance Policy

As recipients of Title IV aid (Federal Pell Grants, Federal Stafford Loans, Federal Parent Loans, Federal Supplemental Educational Opportunity Grants, State Grants, or Federal Work-Study), **students are required to attend class.**

The Financial Aid office monitors class attendance. Students not attending class may no longer be eligible to receive Federal Assistance. **They may also be billed for any funds they have received.**

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

Financial Assistance Resources

SCHOLARSHIPS

Tennessee HOPE Scholarships — These scholarships are provided through the Tennessee Education Lottery Scholarship Program. To determine eligibility, the student must apply for the scholarship using the results of the Free Application for Federal Student Aid (FAFSA). Priority deadline is May 1 for fall enrollments and February 1 for spring enrollments. For all eligibility requirements and information about the HOPE Scholarship, please contact the Financial Aid office.

Tennessee HOPE Scholarships/Non-traditional Component

— The non-traditional student must complete the Free Application for Federal Student Aid (FAFSA) and be an entering freshman at the minimum age of 25 years as of the date of enrollment. An "entering freshman" is defined as a student who is for the first time enrolling in a degree-seeking program of study at an eligible postsecondary institution. The adjusted gross income attributable to the student must be no more than \$36,000 per year.

Prospective non-traditional students must work their way into the HOPE Scholarship program by attempting the first 24 semester hours with a minimum grade point average of 2.75. Students are eligible to receive the HOPE Scholarship in the semester following the one in which the academic requirement is met.

Tennessee HOPE Access Grant — Entering freshmen must have a minimum unweighted 2.75 GPA, an 18-20 ACT (860-970 SAT), and the parents' or independent student's and spouse's adjusted gross income of \$36,000 or less on the IRS tax form. The HOPE Access Grant is non-renewable -- the student will be eligible for the Tennessee HOPE Scholarship by meeting HOPE Scholarship renewal criteria upon completion of the first 24 attempted hours.

For all eligibility requirements and information about the HOPE Scholarship programs, please contact the Financial Aid office.

Tennessee Dual Enrollment Grant — To participate in the Tennessee Dual Enrollment Grant program, a student must meet the college admissions criteria for Dual Enrollment (p. 6) and be enrolled for college courses leading towards a degree for which they also earn high school credit. The grant shall not be utilized for college-level course of study that does not meet high school requirements for graduation. 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, a representative of the Business Services Office shall process the award. 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.

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. 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 3.0 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.

Honor Scholarships — These scholarships are provided through the Columbia State Foundation. Applicants must have a composite score of 23 or above on the ACT. Recipients must maintain a 3.25 GPA to continue receiving the scholarship, which is awarded each fall and spring semester.

Opportunity Scholarship — The purpose of the Opportunity Scholarship is to provide opportunity for disadvantaged students and enhance institutional diversity. Scholarships will be awarded to cover tuition and mandatory fees for a limited number of part-time and full-time students based on the availability of funds. 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.

Persons interested in establishing a scholarship or supporting the College's educational endeavors are encouraged to contact the director of development 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.

GRANTS

Federal Pell Grants — These funds are made available to assist students who have a financial need and who have not received a baccalaureate degree. Eligibility is determined by the Department of Education by evaluating the information provided on the FAFSA. These grants are awarded based on financial need.

Academic Competitive Grant (ACG) — These funds are made available to students who qualify and are in an eligible program that leads to an Associate's degree. Eligibility is determined by the Department of Education by evaluating the information provided on the FAFSA. These grants are awarded based on financial need.

Federal Supplemental Educational Opportunity Grant — Funds may be given to undergraduates with exceptional financial need. Eligibility is determined by the Financial Aid office based on financial need and available funds. Applications received by April 15 will be given priority.

Athletic Grants — These grants are available to students who qualify to participate in intercollegiate athletics. These grants vary in amounts and eligibility is determined by the Athletic Department.

Tennessee Student Assistance Awards — These grants are made available to Tennessee residents who are attending a Tennessee college/university, Pell Grant eligible, and U.S. citizens. These grants are based on financial need but funds are limited. The priority deadline for fall semester is May 1.

LOANS

Federal Stafford (Subsidized) Loan — A long-term loan for which a student must demonstrate financial need as determined from the filing of a FAFSA. The interest rate for new borrowers is variable. The interest is paid by the government while the student is enrolled at least half-time (6 hours) in college. Repayment of principle and interest for the student begins six months after the student ceases to be at least half-time (6 hours). Monthly payments will vary depending on the total amount the student borrows.

The yearly maximum that a student may borrow from the Stafford Loan program is \$3,500 for freshmen and \$4,500 for sophomores. Eligibility is based on financial need and this loan requires a separate application.

Federal Stafford (Unsubsidized) Loan — This program is available to all students regardless of income. The interest rate and annual amounts a student may borrow are the same as with the Federal Stafford (subsidized) Loan. The difference between the Subsidized and Unsubsidized Stafford Loan is that for the Unsubsidized Stafford Loan only the principle may be deferred while the student is in college. Students pay interest charges while enrolled in college or have the interest capitalized. This loan requires a separate application.

Federal Parent Loan for Undergraduate Students — These long-term loans are available to parents of dependent students regardless of income level if the parents have no adverse credit history. The interest rate is variable. The annual loan limits are based on the cost of attendance minus other financial assistance. The loan checks will be made co-payable to the school and parents, and repayment begins sixty (60) days after the disbursement by the lender. This loan requires a separate application.

WORK PROGRAMS

Federal College Work-Study — This program provides part-time employment for students. Students usually work 10 to 15 hours per week at \$6.00 per hour and are paid monthly. Eligibility is based on financial need.

Institutional Work — These funds are available for a limited number of students who do not qualify for college work-study. Funds for this program are provided through the regular College budget. The number of hours students are allowed to work depends upon their eligibility, class schedule and available funds. Students are paid monthly at a rate of \$6.00 per hour.

Applicants for certain federally- and state-supported assistance may be required to furnish personal and/or family tax returns, Social Security, Veterans Administration, or other data for verification purposes. Such records should be collected and maintained prior to submitting an application.

OTHER ASSISTANCE PROGRAMS

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

1. Workforce Development
2. Veteran's Benefits
3. Vocational Rehabilitation

Contact the Financial Aid office for information regarding these programs.

Satisfactory Progress Standards for Federal Financial Assistance

1. **Semester Progress** (Grade Point Average): A minimum academic average of 2.0 is required at the end of each semester. Satisfactory Grades include A, B, C, D, or Pass. Unsatisfactory Grades include PR, I, F, W, WD, Audit, Dropped, Non-Credit, or No-Pass.
2. **Semester Progress** (Hours Passed): The minimum number of hours each recipient must pass during the academic semester is listed below:

Student's F/A Classification	Minimum Earned Semester Hours Funded	Hours Per Semester
Full-time	12 or more	8
Three-Quarter Time	9-11	6
Half-Time	6-8	4
Less than Half-Time	1-5	1-5 (all)

3. Cumulative Progress (Time Limit):
 - a. **Degree Program** — Financial assistance is available until a student graduates with a degree or for a maximum of 90 attempted semester hours.
 - b. **Certificate Program** — Financial assistance is available until a student completes the eligible program or for 150% of the required program hours.

Hours attempted for developmental studies courses are not considered in these time limits.

If a student is required to take developmental studies coursework, he/she can receive federal assistance for up to 30 hours of coursework. Eligibility beyond 30 hours attempted will be based on college-level courses only.

Satisfactory progress also includes the following:

1. Students are allowed one semester of financial assistance probation to reestablish satisfactory progress.
2. After one semester of probation, students who have not reestablished satisfactory progress will be removed from all college- or state-controlled and/or Title IV assistance.
3. Students may be reinstated on financial aid (for which they are otherwise qualified) after they complete needed credit hours at their own expense and maintain satisfactory progress.
4. Eligible students receiving unsatisfactory grades in all courses may be removed from all college-controlled and/or Title IV forms of assistance in the subsequent semester of enrollment without probation.

5. Students may appeal in writing their removal from financial assistance to the Scholarship and Financial Aid Committee. Any appeal must be made by the last day of registration as published in the course schedule. The decision of the committee will be final.
6. Transfer students will be governed by the same rules as other students in regard to satisfactory completion of courses. Transferable hours attained at previous institutions will be counted in regard to the maximum allowable time frame for graduation.

Return of Title IV Funds

Title IV financial aid recipients who partially withdraw from classes through the official withdrawal process on or after the first day of class may be eligible for a tuition refund based on the Columbia State refund policy. Title IV recipients are allowed to receive such refunds except in cases when they totally withdraw (officially or unofficially) from classes. If a financial aid recipient totally withdraws and there are institutional funds to be returned, the funds will be returned to the proper program in accordance with the policy. This policy is applicable only to Title IV recipients.

If a Title IV recipient totally withdraws (officially or unofficially) from classes on or before the 60% point of the semester based on the calendar days within the semester, a calculation will be performed based on this policy. This calculation will include a determination of the last date of attendance, registration fees, the total amount of Title IV assistance you received, the percentage and amount of Title IV assistance earned, and the percentage and amount of Title IV assistance unearned.

A copy of the total policy and procedure is available in the Financial Aid office.

Return of Title IV Funds by the School must be distributed in the following order:

1. Unsubsidized Federal Stafford Loans
2. Subsidized Federal Stafford Loans
3. Federal Plus Loans
4. Federal Pell Grants
5. Academic Competitive Grants
6. Federal SEOGs
7. Other Student Financial Aid programs (Title IV)

Return of Title IV Funds by the Student must be distributed in the following order:

1. Unsubsidized Federal Stafford Loans
2. Subsidized Federal Stafford Loans
3. Federal Plus Loans
4. Federal Pell Grants (50%)
5. Academic Competitive Grants (50%)
6. Federal SEOGs (50%)
7. Other Title IV Programs (50% for Grants)

Consumer Information

Consumer information may be obtained in the Financial Aid office. Available information includes crime and safety data, graduation or completion rates and transfer-out rates for general student population and student athletes, participation and financing data of men's and women's sports, drug abuse policy, and privacy rights of students.

Veterans Certification

Columbia State cooperates with the Veterans Administration in providing educational opportunities for veterans and eligible persons desiring to attend Columbia State under appropriate federal legislation. To verify eligibility for educational training, contact the Veterans Administration. You may call toll-free 1-888-442-4551.

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

Servicemembers, 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 after 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 are expected to 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, effective July 1, 2003.

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 the Admissions page.

Non-credit Students

Students enrolled in non-credit courses through the Center for Economic and Community Development 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 quality point average (qpa), term qpa, 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 and Registration 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.

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; therefore, the federal law allows continued use of this number. However, if a student desires that the social security number not be used, notification to the College must be made at the time of application for admission, and another student identification number will be assigned. For prompt and accurate retrieval of records, students and alumni must give their student identification number. 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. The student will be informed in writing of the outcome of the transcript evaluation.

Only grades of "C" or higher will be accepted for transfer credit. Credit is not awarded for grades of "D" or "S". 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 such as co-ops and nursing clinicals.

Grades of transfer courses are *not* entered on the student's Columbia State permanent academic record. Transfer credit *is 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.

The acceptance of credit for courses taken in religious subjects will be limited to courses taught through a historical or literary approach. Courses dealing with specific areas of church work which may vary from one church to another will not be accepted for credit. In some instances the student may be required to provide course descriptions for the purpose of transfer evaluations.

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 Tech Prep programs, (4) Tennessee Technology Centers and/or other noncollegiate institutions, and (5) prior learning.

To receive external credit, the following conditions must be met:

1. Applicants must not have attempted nor received college credit 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) Subject Examinations, the College Entrance Examination Board (CEEB) Advanced Placement Examination, the Enhanced American College Testing Program (ACT), the Certified Professional Secretary's (CPS) Examination or comprehensive subject examinations. Official documentation must be received directly from the testing agency.

Requests for credit by examination are submitted to the director of records and registration after the student has made application for admission and registered for courses. The test results, except for the comprehensive examinations, are evaluated by the director of records and registration 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 chair are forwarded, with recommendations, to the Records and Registration office. However, these exams will not be administered until a student has earned 12 hours (excluding developmental studies 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. Credit is awarded for acceptable scores received on subject examinations only.

CEEB (College Board): Columbia State participates in the Advanced Placement Program of CEEB and awards appropriate credit in selected courses to qualified freshmen 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: Entering freshmen 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).

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

Certified Professional Secretary's (CPS) Examination: Persons having successfully passed sections of the Certified Professional Secretary's examination are eligible to receive 13 semester hours of credit at Columbia State as follows:

BUS 111	Business Communication	3
CIS 109	Computer Applications I	3
BUS 242	Principles of Supervision	3
OFA 103	Keyboarding	1
OFA 132	Records Management	3

Award of credit for successful completion of the CPS 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.

Comprehensive Subject Examinations: Credit by institutional examination may be available for courses which the division chairs have determined can be passed by proficiency examination. Students who wish to take these exams must seek approval from the appropriate division chair 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 developmental studies 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 chair. Upon approval by the division chair, the Credit by Examination Grade Report and the photocopy of the receipt are submitted to the Records and Registration 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

Up to two hours of physical education credit will be awarded for active military service provided that the DD-214 form is submitted to the Records and Registration office. The DD-214 must verify that a minimum of six months of active duty was served 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 and registration before the end of the second term of enrollment and information is submitted to the Admissions office.

3. External Credit for Tech Prep Programs

A student who has completed a secondary course of study and 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 courses will receive credit for those courses through the career and technical Tech Prep articulation process. This postsecondary credit will be granted upon successful completion of 12 semester hours of resident credit at Columbia State (excluding developmental studies courses).

Students wishing to participate in this program must:

1. Meet specific performance requirements as outlined above.
2. Contact the Tech Prep coordinator at Columbia State.
3. If applicable, schedule a time to take the comprehensive subject examination(s) for which credit is requested.
4. Pass the comprehensive subject examination 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 and successfully complete 12 semester hours of resident credit (excluding developmental studies courses).

For more information about the Tech Prep program, consult a high school guidance counselor or the Tech Prep coordinator at Columbia State.

4. External Credit through Tennessee Technology Centers

Students who have completed a Tennessee Technology Center (TTC) program may be awarded credit for certain technical courses. This credit may count toward a 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.

- *TTC diploma:* Students earning a TTC diploma within the last three (3) years and/or course credit may be eligible for up to 30 hours of block credit toward the General Technology A.A.S. degree program. The number of credit hours awarded will vary with the General Technology degree sequence and the TTC program completed. Students should contact the Business and Technology division chair for more information.
- *TTC courses:* Students completing courses at a TTC within the last (3) three years may be eligible to substitute some of those courses for Columbia State courses. These credits are applicable toward any Columbia State degree or certificate. A list of the courses and any other requirements may be obtained from the Business and Technology division chair.

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 developmental studies courses.

5. 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 appropriate division chair to obtain a Request for Prior Learning Credit form. The completed request form will be reviewed by a faculty member in the discipline for which credit is sought and the division chair. If they agree that the prior learning experiences justify granting credit, the student will be asked to provide documentation of the experiences. After verifying the documentation, the faculty member will complete a Granting of Credit for Prior Learning form and forward it for approval by the division chair and vice president for academic services. Upon approval, the vice president will submit the form to the director of records and registration 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," on the Institutional Fees and Refunds page) 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 and Registration 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 facsimile. Telephone and electronic mail requests are not accepted. 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 and Registration 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 developmental studies 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 at all campus locations) and obtaining an advisor's signature and the approval of one of the following: an academic division chairperson, extended campus director, director of academic advising or the assistant vice president for faculty and programs.

Registration Procedures

Students whose applications were submitted by the priority processing application deadline for any given semester will receive, prior to registration, notification of registration procedures. The deadline is posted on the Columbia State Web page at www.columbiastate.edu each semester. Students must observe registration procedures and are expected to complete registration on the dates posted on the Columbia State Web page. Students will be assigned an advisor who will assist in course selection. Students must observe registration procedures and are expected to complete registration on the dates announced in the course schedule. 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. Students are not officially enrolled until all the requirements of registration are completed and all fees are paid.

Change of Registration Procedures

Students are advised to carefully read the following regulations and procedures which apply to either 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 is required to 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 are used when a student wishes to change one or more class(es). If the student wishes to drop all classes, the "withdrawal" procedure is used. 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 drop the class using Web for Students or by contacting Advising or one of the College's campus locations.

Dropping a Class

Dropping a class is permitted through the "last day to drop a class or withdraw" (see "Academic Calendar"). Students may review procedures for dropping classes for a particular semester by accessing the Web for Students home page at www.columbiastate.edu.

Students may drop most classes by using Web for Students. However, to drop under the following circumstances students must come in person to the Records and Registration office, Advising, the Evening Services office, or one of the College's campus locations:

1. to drop any developmental studies course (after the published deadline to add a class).
2. to drop any health science course.
3. to drop a course after the last official date to drop.
4. to drop any course which the student is auditing.
5. to drop when the student's account has a hold flag or encumbrance.

Students who need to drop any developmental studies or health science course or 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 in Advising, the Student Information Center, at all College campus locations, and on the College's Web page.
2. Acquire applicable signatures:
 - a. instructor or division chair of developmental studies courses (this approval is not required during the first week of classes).
 - b. instructor or division chair of health science courses.
 - c. instructor if dropping after the last official date to drop.
3. Present form to the Records and Registration office.

Adding a Class

Adding a class is permitted through the "Adjustment Period for Registered Students," see "Academic Calendar." Students may review procedures for adding classes for a particular semester by accessing the Web for Students homepage at www.columbiastate.edu.

Students may add most classes by using Web for Students. However, to add a course under the following circumstances students must come in person to the Records and Registration office, Advising, or 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.
3. to add any health science course.

Students who need to add health science courses must see a faculty member in the Division of Health Sciences.

Change To or From Audit

Qualified credit students who register for audit may change to credit prior to the end of the adjustment period. This may be done on a *Change of Registration* form by marking "Change from Audit to Credit." 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. This may be done on a *Change of Registration* form by marking "Change from Credit to Audit."

Withdrawal

Students who stop attending all classes without officially dropping all courses have not withdrawn from the College and will receive a failing grade of "F" 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 Web for Students. However, to withdraw under the following circumstances students are required to complete a form and must come in person to the Records and Registration office, Advising, or one of the College's campus locations:

1. to withdraw when enrolled in any developmental studies courses (after the published deadline to add a class).
2. to withdraw when enrolled in any health science courses.
3. to withdraw after the last official date to drop.
4. to withdraw when enrolled in an audit course.
5. to withdraw when the student's account has a hold flag or encumbrance.

Students who need to drop all courses (withdraw) including developmental studies or health science courses or who need to 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 or division chair of developmental studies courses (this approval is not required during the first week of classes).
 - b. instructor or division chair of health science courses.
 - c. instructor if dropping after the last official date to drop.
3. Financial Aid.
4. Business Services.
5. Present form to the Records and Registration office.

Students who are unable to process their withdrawal in person may submit to the Records and Registration office a signed letter requesting withdrawal. In the event a student is incapacitated, their 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 "Academic Calendar") a student may officially drop a course(s) or withdraw from the College and receive a "W". A "W" means that no hours were 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 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 the student's records are free of any encumbrances.

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 are expected to adhere to College definitions for academic dishonesty and academic misconduct and with the procedures to be followed in the event a student is accused of either (see "Student Conduct and Discipline" in the Student Handbook under Student Rights and Responsibilities).

Class Attendance Policy

Records of attendance are maintained by the instructors beginning with the first class period. Unless prevented by circumstances beyond their control, students are required to attend all classes for which they are registered on a regular basis. 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
I Incomplete	0
P Pass (awarded only to COP classes and nursing clinicals)	0
PR Progress (not a grade). Awarded only in developmental studies courses.	0
W Withdrew (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 quality hours attempted. Repeated courses are excluded from this calculation (see "Course Repeats"). Credit hours in courses from which a student officially withdraws in good standing (see "Change of Registration Procedures") are not considered quality hours attempted.

Incomplete

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 chair for approval, but there is no obligation under policy to do so.

Retention Standards

To remain in academic good standing, students must meet the following retention standards. Students not meeting the standards will be placed on academic probation.

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

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

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

Transfer students must be eligible to reenter the school from which they are transferring. Any transfer student on active academic dismissal/suspension at another college must follow the same appeals process as current Columbia State students. Failure to meet retention standards after enrolling at Columbia State will result in automatic dismissal.

Dismissal from the College

Students placed on academic dismissal are suspended for one term (summer may not be counted as the suspension term) and are eligible to reenroll on probation as follows by completing an *Application for Admission/Readmission*:

1. suspension at the end of fall semester: eligible to reenroll the next summer semester
2. suspension at the end of spring semester: eligible to reenroll the next spring semester
3. suspension at the end of summer semester: eligible to reenroll the next spring semester

Students placed on academic dismissal for the **second or subsequent 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 Those on Academic Dismissal

Students placed on academic dismissal may seek **early** readmission by appealing to the Admissions and Retention Committee. The committee may (1) sustain the dismissal, (2) reduce the terms of suspension, or (3) readmit the student with one or more of the following stipulations:

1. require the student to repeat courses in which he or she has earned a failing or below average grade,
2. limit the course load to twelve hours or less, and/or
3. require regular counseling sessions with a counselor or advisor

Readmission within three terms after a second or subsequent academic dismissal will be granted only under extraordinary circumstances.

All students admitted to the College after an academic dismissal are considered to be on probation. Failure to meet any retention standard during the next semester will result in further dismissal.

Appeal Procedure for Students on Dismissal

Students wishing to appeal for **early** readmission after any dismissal must submit a written appeal to the Admissions and Retention Committee. The appeal form must be submitted within 24 hours of the committee's final meeting.

At the discretion of the committee, a personal interview may be required before a decision is rendered. The student also may request an interview with the committee if he or she so desires.

All written appeals should explain any extenuating circumstances or unusual hardships that the student wishes the committee to consider in its deliberations. Any documentation that the student can provide will be helpful. The student should also outline the actions he or she will take to meet retention standards in the future. The committee's decision is final.

If the academic 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. 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 a course two or more times, all grades received in the second and subsequent repeats will be included in the grade point average.

<u>Time in Course</u>	<u>Grades Included in Computation</u>
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 quality 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 requires approval of the director of records and registration. 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 reenrolling at Columbia State or transferring to Columbia State, petition to have grades on all prior Columbia State coursework disregarded in calculating his or her cumulative grade point average. Students choosing this option should be aware that all previous courses, both passed and failed, will be forfeited for degree or certificate purposes. However, previously satisfied developmental studies courses will not be forfeited.

If the request is granted, the earlier coursework will not count toward meeting requirements for graduation but would appear on the student's transcript. The student must maintain a 2.00 grade point average and complete 15 semester hours of degree credit coursework before the student's permanent record will be modified to indicate a "fresh start" was granted. A student will only be approved for the academic fresh start one time. For information on applying for a fresh start, contact Advising or the Records and Registration office.

A student who plans to transfer to another college or university should contact that institution to determine the impact of academic fresh start prior to implementing the program at Columbia State.

Availability of Grades

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

Honors

President's List — 15 credit hours (excluding developmental studies and cooperative education classes) with 3.90 - 4.00 semester average.

Dean's List — 12 credit hours or more (excluding developmental studies and cooperative education classes) with 3.50 or higher semester average (*not to include those on President's List*).

Graduation — Students graduating with the following grade point averages will receive the corresponding honor designations on their diplomas:

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.

Honors (President's List, Dean's List and Graduation) are based on degree credit courses only; however, the combined average that might include a developmental studies course must be equal or higher.

Policy on Awarding of Degrees

Columbia State awards four degrees: the Associate of Arts (A.A.), the Associate of Science (A.S.), the Associate of Science in Teaching, and the Associate of Applied Science (A.A.S.).

Students may not graduate before completing all developmental studies course requirements as determined by their placement scores, and students seeking A.A., A.S. and A.S.T. transfer degrees must complete all high school unit deficiencies based on Tennessee Board of Regents' admissions requirements.

The College will not award the A.A. or A.S. degree to persons who have already earned a baccalaureate degree. Students holding advanced degrees may be awarded the A.A.S. degree provided they meet the stated requirements. Eighteen (18) hours toward those requirements must be earned through instruction by Columbia State.

Multiple Degrees and Certificates

Students may earn an A.A., A.S. 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 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 have reflected on their Columbia State transcript only that a second major was completed. Additional A.A.S. degrees/diplomas will not be awarded.

Students will *not* be awarded more than one degree that is designed for transfer (A.A., A.S. or A.S.T.).

Students who have been awarded a certificate who complete a different certificate major will have reflected on their Columbia State transcript only that a second major was completed. Additional certificates will *not* be awarded.

Graduation

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

Students are encouraged to monitor their progress towards graduation by consulting with an advisor and by accessing the On Course degree audit available on the College's Web page under Web for Students.

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.

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 may have their diplomas withheld.

Columbia State holds one graduation ceremony in May of each year. Students who plan to complete the requirements for graduation must file the *Intent to Graduate* form prior to the published deadline (See "Academic Calendar"). A \$25 processing fee is required at the time the Intent is filed.

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

Faculty Award

The faculty award is given at the Student Awards Convocation to recognize the graduating student who, in the opinion of the faculty, has contributed most to the advancement and betterment of Columbia State. The Jo L. Hutton Prize and an appropriately inscribed plaque are awarded to the student.

Academic Programs and Services

Academic programs and credit course offerings at Columbia State are provided through five 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 Economic and Community Development. The University Center coordinates with universities offering degree programs on the Columbia campus.

Division of Business and Technology

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 business information technology with options in computer systems or office systems; business management or general technology. They may also enroll in certificate programs in business management.

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 technology, nursing, radiologic technology, respiratory care, and veterinary technology.

Division of Humanities

The humanities disciplines serve the entire College by providing opportunities for artistic and intellectual development in classroom and co-curricular activities. Each discipline seeks to increase students' sensitivity to and understanding of language, literature, music, art, drama and philosophy. 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, commercial entertainment, communication studies, English, mass communications, music, or performance studies.

Division of Science and Mathematics

Courses in mathematics and science are offered in support of a variety of transfer and applied sciences programs. These courses are aimed at helping 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 for students planning to transfer to a four-year institution. Moreover, pre-professional emphases are offered in dental hygiene, dentistry, engineering, medical technology, medicine, pharmacy, and physical therapy. A career-entry program is available in horticultural technology.

Division of Social Sciences and Education

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. Social science courses also serve as supplemental areas of study in many of the health science programs. University-parallel

emphases are offered in early childhood education, elementary education, geography, health and physical education, history, political science, psychology, and sociology. Career-entry programs are available in criminal justice and early childhood education. Certificate programs are also available in criminal justice and early childhood education.

Developmental Studies Program

The developmental studies program, designed to serve the needs of students who are underprepared to enter the regular college curriculum, assists students in achieving a level of academic competence that will enable them to work successfully in college-level courses. Faculty and staff provide assistance to students to help them succeed.

Courses in both basic and/or developmental studies are offered in four areas: writing skills, reading skills, mathematical skills, and learning strategies.

Center for Economic and Community Development

Columbia State plays an important role in the region's economic growth, community development and quality of life. The Center for Economic and Community Development (ECD) seeks to strengthen this role through business and industry services, economic development partnerships, cultural programs, and personal enrichment activities.

Business, industry, and government have unique education and training needs. ECD 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. ECD 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.

ECD houses Columbia State's noncredit personal enrichment activities. These include a variety of courses for children, senior citizens and others seeking personal growth and lifelong learning. ECD also works with the Columbia State Foundation in presenting an annual performance series consisting of musical and theatrical performances.

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 jointly offers 2+2 agreements with Middle Tennessee State University, Tennessee State University and Trevecca Nazarene University.

2 + 2 Agreement in Elementary Education (K-6) with Middle Tennessee State University (MTSU) — Students who have completed an Associate of Science General Transfer degree with an emphasis in Pre-Elementary Education 2+2 (PED2) 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 sixth grade.

2 + 2 Agreement in Nursing with Tennessee State University (TSU) — Students who have completed the RN program can complete a RN-BSN degree on the Columbia State campus by taking a sequence of Columbia State courses that fulfill general education requirements followed by TSU courses delivered in a variety of formats (traditional classroom, online, Web enhanced and real time video).

2 + 2 Agreement in Management and Human Relations (MHR) with Trevecca Nazarene University — This program is designed for working adults who have earned at least 62 semester college hours and have been admitted to the MHR program. Students can complete a B.A. degree in about 13 months, meeting one night a week on the Columbia campus.

Students are encouraged to contact the University Center at (931) 540-2619 or at www.columbiastate.edu/degrees/partnerships for information concerning specific degree requirements. 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 three online degree programs through the Regents Online Degree Program (RODP). For more information on these three degrees access either the Columbia State Web site at www.columbiastate.edu or the Tennessee Board of Regents Web site at www.tn.regentsdegrees.org.

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 in providing cooperative education opportunities and K-12 educational outreach programs.

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 coop course, pay a registration fee, submit periodic reports, 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, call (615) 790-4409.

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 hybrid courses, interactive video, Internet courses, and video 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.

Distance education courses are included in each semester's course schedule. For more information, access www.columbiastate.edu and click on "Distance Education."

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.

Interactive Video

Traditional courses are delivered via interactive compressed video which provides transmission of live two-way audio, video, and data to all five Columbia State campuses. Interactive video classes are listed in the appropriate subject section in the course schedule.

Internet Courses

Internet courses are offered online. Students may use campus computer facilities or participate using a personal computer. Students should check the course schedule or the Distance Education Web site for computer system and program requirements and complete the "Am I A Good Candidate for Online Learning?" assessment prior to registering for Internet courses.

Video Courses

Video courses are taught through videotaped instruction. These courses offer an alternative for students who require a flexible class schedule, are self-motivated, and can work independently. Students in video courses do the course work with a minimal number of visits to a campus. The tapes, obtained from the Library at the beginning

of the semester, combined with textbooks, study guide, assignments and communications with the instructor guide students through the courses. Students interested in video courses should consult an academic advisor to determine which courses best meet their needs.

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. Students should complete all admissions requirements, orientation and testing, then schedule an appointment with an academic advisor. Advisors can be reached by calling (931) 540-2575 or e-mailing advising@columbiastate.edu. All full-time faculty are available to students for consultation and maintain regular office hours for this purpose. Students will be assigned advisors early in their educational programs. Students may print "On-Course" degree audit printouts by accessing Web for Students, or they may request copies from Advising or any campus location at any time. 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" for guidelines regarding developmental studies courses. The College may deny registration in a course where the developmental studies 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 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.

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.

Technical certificate programs consist of fewer than 33 semester hours and are used for skills upgrade or to prepare for licensure examinations. These courses may result in an academic or 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 certificate programs are short, highly focused credit or non-credit course sequences designed to provide training in specific skills areas and provide documentation for employment or professional development credit. These certificates should not, however, be confused with technical certificates offered by Columbia State. Because the certificates of advancement are not part of the College's official academic inventory, no notation of the certificate will appear on the student's transcript. The transcript will show all of the courses taken. Credit courses can be applied toward academic or technical certificates and degrees.

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 to the school 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.

General transfer degree programs are designed to transfer into a baccalaureate program at a four-year college or university. Students in this program declare a major in general transfer. 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 student should then select an area of emphasis at Columbia State which corresponds to the transfer major selected. The requirements for the emphases may be modified upon request to meet the requirements in that major at a specific transfer college or university. Degree checklists for the various emphases are available Online at www.columbiastate.edu/advising/checksheets.htm.

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 Core Requirements for All Tennessee Board of Regents 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.

Tennessee Board of Regents' General Education Core Requirements for all Tennessee Board of Regents Institutions

Effective Fall Semester 2004, each institution in the State University and Community College System of Tennessee (The Tennessee Board of Regents System) will share a common lower-division general education core curriculum of forty-one (41) semester hours for baccalaureate degrees and the Associate of Arts and the Associate of Science degrees. Lower-division means freshman and sophomore courses. The courses comprising the general education curriculum are contained within the following subject categories:

Baccalaureate Degrees and Associate of Arts and Associate of Science Degrees*

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

*Foreign language courses are an additional requirement for the Associate of Arts (A.A.) and Bachelors of Arts (B.A.) degrees. The B.A. degree requires proficiency in a foreign language equivalent to completion of two years of college-level work. The A.A. degree requires proficiency in a foreign language equivalent to completion of one year of college-level work.

**Six hours of English Composition and three hours in English oral presentational communication are required.

***Students who plan to transfer to Tennessee Board of Regents (TBR) universities should take six hours of United States History (three hours of Tennessee History may substitute). Students who plan to transfer to University of Tennessee System universities or to out-of-state or private universities should check requirements and take the appropriate courses.

Although the courses designated by the Tennessee Board of Regents (TBR) institutions to fulfill the requirements of the general education subject categories vary, transfer of the courses is assured through the following means:

Conditions for Transfer of General Education Courses

- Upon completion of an A.A. or A.S. degree, the requirements of the lower-division general education core will be complete and accepted by a TBR university in the transfer process.
- If an A.A. or A.S. is not obtained, transfer of general education courses will be based upon fulfillment of complete subject categories. (Example: If all eight hours in the category of Natural Sciences are complete, then this "block" of the general education core is complete.) When a subject category is incomplete, course-by-course evaluation will be conducted. The provision of block fulfillment pertains also to students who transfer among TBR universities.
- Institutional/departmental requirements of the grade of "C" will be honored. Even if credit is granted for a course, any specific requirements for the grade of "C" by the receiving institution will be enforced.
- In certain majors, specific courses must be taken also 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.

Courses designated to fulfill general education requirements by Columbia State Community College are listed on the Associate of Arts and Associate of Science Degree Requirements page. 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.state.tn.us under Transfer and Articulation Information.

Associate of Arts & Associate of Science Degree Requirements

Columbia State Community College General Degree Requirements

All associate degrees awarded by Columbia State Community College shall require 60 semester credit hours with an overall grade point average of 2.00. At least 18 of these must be earned in residence at Columbia State. Credit hours earned in developmental studies courses are for institutional credit and not applicable to 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 Credits	3
ENGL 1020 Composition II Credits	3

Speech:	3 credit hours
SPT 241 Speech Communication	3
or	
SPT 280 Argumentation and Debate	3

Humanities/Fine Arts:

Literature: **3 credit hours**

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

History:

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**

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 (see degree checklists at www.columbiastate.edu/advising/checksheets.htm). 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:

Humanities/Fine Arts Elective

Choose from:

ART 1030	Introduction to the Visual Arts	3
ART 2010	Art History Survey I	3
ART 2020	Art History Survey II	3
ENGL 2010	Introduction to Literature I	3
ENGL 2020	Introduction to Literature II	3
HUM 1130	Arts and Culture: An Introduction to Humanities	3
HUM 2210	Introduction to Film Studies	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	Introduction to Theatre and Performance	3

Mathematics Elective

Choose from:

MATH 1130	College Algebra	3
MATH 1530	Elementary Statistics	3
MATH 1710	Precalculus Algebra	3
MATH 1720	College Trigonometry	3
MATH 1830	Applied Calculus	3
MATH 1910	Calculus and Analytic Geometry I	4

Natural Sciences Elective

Choose from:

ASTR 1030	Astronomy	4
BIOL 1030	Introduction to Biology	4
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
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

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.

Social/Behavioral Sciences Elective

Choose from:

ECO 201	Principles of Macroeconomics	3
ECO 202	Principles of Microeconomics	3
GEOG 1010	Physical Geography I	3
GEOG 1020	Physical Geography II	3
GEOG 1210	World Regional Geography I	3
GEOG 1220	World Regional Geography II	3
PHED 2120	Essential Lifetime Wellness	3
POL 111	Essentials of American Government and Politics	3
POL 113	State and Local Government	3
POL 201	Introduction to Politics and Government	3
PSY 101	General Psychology I	3
PSY 102	General Psychology II	3
PSY 206	Developmental Psychology: Lifespan	3
SOC 201	Introduction to Sociology	3
SOC 203	Social Problems	3
SOC 210	Cultural Anthropology	3
SOC 212	Marriage and Family	3

¹ See "Tennessee Board of Regents' General Education Core Requirements for All Tennessee Board of Regents Institutions" on the Academic Programs and Services page.

² Students transferring to a TBR university should take American History; students transferring to other universities should take the sequence required at the university to which they are transferring.

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 with one exception. 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 two intermediate courses in a foreign language as part of the 19 credit hours of "Additional Courses" or through credit by exam (see p.16).

University Parallel Program (General Transfer Major)

The general transfer major at Columbia State allows students to take courses required in the first two years of most majors at senior institutions. Emphases in the general transfer major at Columbia State include but are not limited to those listed below.

A student intending to pursue a major not listed below may request that an emphasis corresponding to his/her major be developed.

Business and Technology Division Emphases

Business	Computer Science
Computer Information Systems	Economics

Humanities Division Emphases

Art	Mass Communications
Commercial Entertainment	Music
Communication Studies	Performance Studies
English	

Science and Mathematics Division Emphases

Agriculture	Pre-Dentistry
Biology	Pre-Engineering
Chemistry	Pre-Medical Technology
Mathematics	Pre-Medicine
Physics	Pre-Pharmacy
Pre-Dental Hygiene	Pre-Physical Therapy

Social Sciences and Education Division Emphases

Education, Early Childhood	History
Education, Elementary	Political Science
Education, Secondary*	Psychology
Geography	Sociology
Health & Physical Education	

*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.

General Transfer, No Emphasis

General transfer program for undecided students

Programs of Study for Selected Emphases Within the General Transfer Major

Degree checksheets for programs of study for the emphases listed above are available Online at www.columbiastate.edu/advising/checksheets.htm. The degree checklists specify graduation requirements for each emphasis. Students should consult the catalog of the institution to which they plan to transfer. If the program of study differs from the Columbia State requirements, students may request course substitutions.

Associate of Science in Teaching Degree Requirements

Degree Requirements for the Associate of Science in Teaching (A.S.T.)

The A.S.T. degree shall require 60 semester credit hours with an overall grade point average of 2.75. At least 18 of these must be earned in residence at Columbia State. Credit hours earned in developmental studies courses are for institutional credit and not applicable to credit hours required for the degree. Additional requirements are successful completion of Praxis I and satisfactory rating on an index of suitability for the teaching profession (procedure will be developed through collaboration between the university and community college representatives).

Course Requirements for the A.S.T.

Communications: 9 Credit Hours

ENGL 1010	Composition I	3
ENGL 1020	Composition II	3
SPT 241	Speech Communication	3

Humanities/Fine Arts: 9 Credit Hours

Literature Elective		3
Course selected from Humanities/Fine Arts Elective		3
ART 1030	Introduction to the Visual Arts	3
or		
MUS 1030	Music Appreciation	3

History: 6 Credit Hours

HIST 2010	Survey of American History I	3
HIST 2020	Survey of American History II	3
or		
HIST 2030	Tennessee History	3

Social/Behavioral Sciences: 6 Credit Hours

GEOG 1210	World Regional Geography I	3
or		
GEOG 1220	World Regional Geography II	3
POL 111	Essentials of American Government and Politics	3
or		
SOC 201	Introduction to Sociology	3

Natural/Physical Sciences: 8 Credit Hours

BIOL 1030	Introduction to Biology	4
PSCI 1030	Physical Science	4

Mathematics Elective: 3 Credit Hours

Math Elective		3
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Additional Courses:

ASTR 1030	Astronomy	4
EDU 201	Introduction to Education	3
EDU 221	Educational Psychology	3
EDU 222	Education of Exceptional Learners	3
MATH 1410	College Math	3
MATH 1420	Concepts of Geometry	3

19 Credit Hours

Total:

60 credit hours

Courses Satisfying Elective Requirements

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

Humanities/Fine Arts Elective

Choose from:		
ART 1030	Introduction to the Visual Arts	3
ART 2010	Art History Survey I	3
ART 2020	Art History Survey II	3
ENGL 2010	Introduction to Literary Genres	3
ENGL 2020	Major Themes in Literature	3
HUM 1130	Arts & Culture: An Introduction to Humanities	3
HUM 2210	Introduction to Film Studies	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	Introduction to Theatre and Performance	3

Mathematics Elective

Choose from:		
MATH 1130	College Algebra	3
MATH 1530	Elementary Statistics	3
MATH 1710	Precalculus Algebra	3
MATH 1720	College Trigonometry	3
MATH 1830	Applied Calculus	3
MATH 1910	Calculus and Analytic Geometry I	4

Associate of Applied Science Degree and Certificate Requirements

Columbia State Community College 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 of 2.00. At least 18 of these must be earned in residence at Columbia State. Credit hours earned in developmental studies courses are for institutional credit only and not applicable to credit hours required for the degree.

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 2.00 in program courses. Specific degree requirements for majors leading to the Associate of Applied Science degree are listed under each major.

English Composition: **3 credit hours**
ENGL 1010 Composition I 3

***Humanities/Fine Arts:** **3 credit hours**

***Social/Behavioral Sciences:** **3 credit hours**

***Natural Sciences/Mathematics:** **3 credit hours**

***Additional Course:** **3-4 credit hours**
One additional course from the categories of Communication, Humanities and/or Fine Arts, Social/Behavioral Sciences, or Natural Sciences/Mathematics.

* Specific courses satisfying this requirement must be the same courses that satisfy the general education requirement for the Associate (A.A./A.S.) and Baccalaureate degrees (see "Degree Requirements for the Associate of Science (A.S.)," p. 28).

Total: **15 or 16 credit hours**

Minimum Degree Requirements for Technical Certificates

Specific requirements for academic and 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 2.00.

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.

Business and Technology Division

Business Information Technology
Option: Computer Systems
Option: Office Systems
Business Management
General Technology

Health Sciences Division

Nursing
Radiologic Technology
Respiratory Care
Veterinary Technology

Science and Mathematics Division

Horticultural Technology
Option: Landscape Management
Option: Turfgrass Management

Social Sciences and Education Division

Criminal Justice Technology
Option: Law Enforcement
Option: Corrections
Early Childhood Education

Technical Certificate Programs

These certificates are designed to allow students to gain entry-level proficiency in specific skills.

Business and Technology Division

Business Management

Health Sciences Division

EMT-Paramedic

Humanities Division

Commercial Music - Multimedia for Songwriters
Commercial Performance

Social Sciences and Education Division

Criminal Justice Technology-Corrections
Criminal Justice Technology-Law Enforcement
Early Childhood Education

Career Advancement Certificates

These short training programs provide documentation for employment or professional development. Contact the Business and Technology Division for additional information.

Medical Transcription
Office Information Processing

Other certificates may be available upon request.

Business Information Technology

Major in Business Information Technology (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

This program is designed to prepare students for employment or advancement in information technology or in an office setting. The program has a central core of courses with additional specialized courses in two options, computer systems and office systems. Skills obtained in the program may be applied in a variety of occupations including computer support, networking, programming, web design, administrative assistance, office manager, software specialist, and project coordinator. It is specifically designed for the student who plans to enter the workforce after graduation.

Required Courses

General Education

Humanities/Fine Arts Elective*	3
Math Elective Credits*	3
ECO 201 Principles of Macroeconomics, or	3
ECO 202 Principles of Microeconomics	3
ENGL 1010 Composition I	3
SPT 241 Speech Communication, or	3
SPT 280 Argumentation and Debate	3

Total General Education: 15

Major Core

BIT, BUS, CIS, COP, OFA Electives	6
BIT 120 Career Success	3
BIT 299 Project Integration Capstone	3
BUS 111 Business Writing	3
BUS 121 Principles of Accounting I	3
CIS 109 Computer Applications I	3
CIS 150 PC Systems Support	3
CIS 175 Computer Networking I	3
CIS 209 Computer Applications II	3
CIS 263 Web Page Development and Design	3

Total Major Core: 33

Computer Systems Option

CIS 170 Programming I	3
CIS 270 Programming II	3
CIS 275 Computer Networking II	3
CIS 280 Database Development	3

Total Computer Systems Option: 12

Office Systems Option

BUS 242 Principles of Supervision	3
OFA 132 Records Management	3
OFA 202 Word Processing Applications	3
OFA 205 Desktop Publishing	3

Total Office Systems Option: 12

Total Credit Hours: 60

* Elective Options

Elective options are listed on pg. 28.

Business Management

Major in Business Management (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

This degree is designed to prepare students for employment or advancement in the business community. Skills obtained in this program could be applied in a variety of settings, including retail, office, hospitality and operations management, as well as sales and customer service. It is specifically designed for the student who plans to enter the workforce after graduation. Students who plan to pursue a baccalaureate degree in business would follow the Business A.S. or A.A. program.

The business management program may be completed during the day on the Columbia campus or in an accelerated format in the evening, available at each campus location. Students in the accelerated format may complete the required business courses in 18 months as part of a cohort group.

Required Courses

General Education

Humanities/Fine Arts Elective*	3
Math Elective*	3-4
ECO 201 Principles of Macroeconomics, or	3
ECO 202 Principles of Microeconomics	3
ENGL 1010 Composition I	3
SPT 241 Speech Communication, or	3
SPT 280 Argumentation and Debate	3

Total General Education: 15-16

Major Core

BIT, BUS, CIS, COP, MKT Elective	3
BIT 120 Career Success	3
BIT 223 Accounting Applications Software	3
BUS 111 Business Writing	3
BUS 121 Principles of Accounting I	3
BUS 181 Business Calculations	3
BUS 240 Legal Issues in the Workplace	3
BUS 241 Fundamentals of Sales and Service	3
BUS 242 Principles of Supervision	3
BUS 243 Entrepreneurship	3
BUS 250 Human Resource Management	3
BUS 299 Business Management Capstone	3

CIS 109	Computer Applications I	3
CIS 209	Computer Applications II	3
MKT 101	Principles of Marketing	3

Total Major Core: 45

Total Credit Hours: 60-61

*** Elective Options**

Elective options are listed on pg. 28.

Business Management (Technical Certificate)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

This certificate is designed to prepare students for advancement in the business community with the knowledge and concepts gained from a formal study of current management principles and practices. Courses from this program may be applied to the Associate of Applied Science degree in Business Management or General Technology.

The business management certificate may be completed during the day on the Columbia campus or in an accelerated format in the evening, available at each campus. Students in the accelerated format may complete the certificate in one year as part of a cohort group.

Required Courses

BIT, BUS, CIS, COP, or MKT Elective	3
BIT 120 Career Success	3
BUS 111 Business Writing	3
BUS 121 Principles of Accounting I	3
BUS 240 Legal Issues in the Workplace	3
BUS 241 Fundamentals of Sales and Service	3
BUS 242 Principles of Supervision	3
CIS 109 Computer Applications I	3
MKT 101 Principles of Marketing	3

Total Credit Hours: 27

Commercial Entertainment Program Admissions Requirements (A.A., A.S. and Certificates listed below)

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) 790-5655 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. In order to participate in stagecraft class, evidence of immunity for Tetanus within the past five years must be presented at the orientation after admission is confirmed.

3. Commercial Entertainment students must exhibit proficiency in at least one of three areas: dance, drama, or singing. 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 videotaped by the program director to be used to confer with faculty in the Commercial Entertainment program.
 - b. An applicant may elect to submit a videotaped audition. The deadline for videotaped auditions is August 1 for fall semester and December 1 for spring semester. Videotapes must be in standard VHS format.
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 cassette tape or 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 cassette tape or 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.
6. All students that are admitted into the program are required to attend an orientation from 10:00 a.m. until approximately 4:00 p.m. on the first day of classes for the semester. The orientation is held in the dance studio at the Williamson County Center. All Commercial Entertainment classes scheduled in conflict with this required orientation will not meet on this day.

A placement audition will be required during the orientation session for the voice and dance students. The purpose of this audition is to determine placement in groups within courses based on skill level. Vocal students should have a thirty second prepared selection with musical accompaniment on cassette tape or CD for this placement audition. Dancers are required to bring dance attire to the orientation for the placement audition.

Commercial Music — Multimedia for Songwriters (Technical Certificate)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

This program is designed to provide a student with the skills they will need to set-up a home studio, to compose, arrange, perform and print music using the computer and to create an Internet site or CD to market their productions.

Required Courses

CEN 135	Commercial Songwriting	3
CEN 207	Entertainment Business	3
CEN 230	Digital Video Editing	3
CIS 263	Web Page Development and Design	3
MUS 1810	Fundamentals of Music I*	3
MUS 1820	Fundamentals of Music II*	3
MUS 1850	Musical Keyboarding I*	1
MUS 1860	Musical Keyboarding II*	1
MUS 2330	Intro. to MIDI (Musical Instrument Digital Interface)	3
MUS 2350	Digital Audio Recording	3
MUS 2360	Digital Music Production	3
Select Either:		
BIT 1150	Introduction to Microcomputers	3
or		
CIS 109	Computer Applications I	3

* (Course may be waived if student determined to be proficient as a result of the program's audition entrance requirements.)

Total Credit Hours: 32

Commercial Performance (Technical Certificate)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

This program is especially designed for students who want to enter the entertainment field as a performer (singer/dancer) and provides a balanced approach to the skills needed to seek employment in this field. Placement in dance classes will be through audition. Courses in the Commercial Performance certificate program may be applied toward the Commercial Entertainment associate degree program.

Required Core Courses

CEN 102	Dance Performance and Production Lab	1
CEN 125	Principles and Techniques of Dance Performance	1
CEN 200	Audition Techniques	2
CEN 205	Stagecraft	3
CEN 216	Professional Audition	1
MUS 1510	Class Voice I	1
MUS 1520	Class Voice II	1
MUS 1800	Choral Lab (repeated for total of 2 credits)	1
MUS 1810	Fundamentals of Music I	3

MUS 1820	Fundamentals of Music II	3
MUS 2200	History of Musical Theatre	3

Dance Electives **4 credit hours**

CEN 101	Dance Combination	1
CEN 107	Ballet Technique	1
CEN 109	Tap Technique	1
CEN 111	Jazz Technique	1

CEN Directed Sequence Electives **5-7 credit hours**

<u>Dance Directed Sequence</u>		
CEN 203	Choreography I	1
CEN 204	Choreography II	1
CEN 209	Dance Pedagogy	3

<u>Voice Directed Sequence (select three of the following)</u>		
CEN 207	Entertainment Business	3
MUS 1850	Musical Keyboarding I	1
MUS 1860	Musical Keyboarding II	1
MUS 2330	Intro. to MIDI (Musical Instrument Digital Interface)	3

Total Credit Hours: 30-32

Criminal Justice Technology

Major in Criminal Justice (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program. Students may choose an option in Law Enforcement or Corrections.)

Required Courses

General Education

Humanities/Fine Arts Elective*	3	
Natural Sciences Elective (must include lab)*	3-4	
or		
Math Elective*	3-4	
ENGL 1010	Composition I	3
PSY 101	General Psychology I	3
SOC 201	Introduction to Sociology	3

Total General Education: 15-16

Major Core

CJT 101	Introduction to Criminal Justice	3
CJT 102	Criminal Law	3
CJT 103	Criminal Law II	3
CJT 105	Introduction to Criminology	3

Total Major Core: 12

Option I: Law Enforcement

Electives	11-12	
CJT 110	Investigation Procedures	3
CJT 120	Supervision and Management in Criminal Justice	3
CJT 200	Criminal Evidence	3
CJT 204	Juvenile Justice	3
CJT 206	Theory and Practice of Law Enforcement	3
CJT 207	Laws of Arrest, Search and Seizure	3
CJT 220	Special Problems: Law Enforcement	3

Total Option I: 33-34

Option II: Corrections

Electives		11-12
CJT 110	Investigation Procedures	3
CJT 120	Supervision and Management in Criminal Justice	3
CJT 200	Criminal Evidence	3
CJT 202	Correctional Security Administration	3
CJT 204	Juvenile Justice	3
CJT 205	Introduction to Corrections	3
CJT 230	Special Problems: Corrections	3

Total Option II: 33-34

Total Credit Hours: 60

*** Elective Options**

Elective options are listed on p. 28.

**Criminal Justice Technology —
Corrections (Technical Certificate)**

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

Required Courses

CJT 101	Introduction to Criminal Justice	3
CJT 102	Criminal Law	3
CJT 103	Criminal Law II	3
CJT 201	Constitutional Rights of Prisoners	3
CJT 202	Correctional Security Administration	3
CJT 205	Introduction to Corrections	3
CJT 210	Corrections Counseling	3
ENGL 1070	Technical Writing	3
PSY 101	General Psychology I	3
Select Either		
SOC 1010	Introduction to Sociology	3
or		
SOC 201	Introduction to Sociology	3

Total Credit Hours: 30

Note: Cumulative GPA must be at least 2.0. At least 15 semester hours must be taken at Columbia State.

**Criminal Justice Technology —
Law Enforcement (Technical Certificate)**

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

Required Courses

Electives		3
CJT 101	Introduction to Criminal Justice	3
CJT 102	Criminal Law	3
CJT 103	Criminal Law II	3
CJT 110	Investigation Procedures	3
CJT 120	Supervision and Management in Criminal Justice	3
CJT 204	Juvenile Justice	3
ENGL 1070	Technical Writing	3

PSY 101	General Psychology I	3
SOC 201	Introduction to Sociology	3

Total Credit Hours: 30

Note: Cumulative GPA must be at least 2.0. At least 15 semester hours must be taken at Columbia State.

Early Childhood Education

Major in Early Childhood Education (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

Required Courses

General Education

Humanities/Fine Arts Elective*		3
Social/Behavioral Sciences Elective*		3
Natural Sciences Elective (must include lab)*		3-4
or		
Math Elective*		3-4
ENGL 1010	Composition I	3
SPT 241	Speech Communication	3
or		
SPT 280	Argumentation and Debate	3

Total General Education: 15-16 Credit Hours

ECED Required

Electives		3-4
ECED 1010	Introduction to Early Childhood Education	2
ECED 2010	Safe, Healthy Learning Environments	3
ECED 2015	Early Childhood Curriculum	3
ECED 2020	Infant, Toddler, Child Development	3
ECED 2040	Family Dynamics and Community Involvement	3
ECED 2060	Development of Exceptional Children	3
ECED 2070	Developmental Assessment	3
ECED 2080	Language and Literacy in Early Childhood	3
ECED 2085	Math and Science in Early Childhood	3
ECED 2130	Clinical Practicum I	2
ECED 2140	Clinical Practicum II	2
ECED 2150	Clinical Practicum III	2
EDU 225	Educational Technology for Teachers	3

ECED Elective Options: 6 Credit Hours

Individual institutions will make decisions on which electives to offer from the following:

ECED 2030	Infant and Toddler Care	3
ECED 2050	Psychomotor Development	3
ECED 2090	Creative Development	3
ECED 2100	The Mentoring Teacher	3
ECED 2110	Advanced Learning Environments	3
ECED 2120	Administration of Child Care Centers	3

Total ECED Required: 44-45

Total Credit Hours: 60

*** Elective Options**

Elective options are listed on p. 28.

Early Childhood Education (Technical Certificate)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

The Early Childhood Development certificate program is designed to prepare 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 the criteria developed by the National Association for the Education of Young Children (N.A.E.Y.C.). Graduates from the program should be prepared to individually 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 designed for any Early Childhood college student. The certificate from Columbia State Community College is not the C.D.A. certificate.

All courses in the Early Childhood Development certificate program articulate into the Associate of Applied Science (A.A.S.) degree program in Early Childhood Education.

Required Courses

ECED 2010	Safe, Healthy Learning Environments	3
ECED 2015	Early Childhood Curriculum	3
ECED 2040	Family Dynamics and Community Involvement	3
ECED 2130	Clinical Practicum I	2

Total Credit Hours: 11

Emergency Medical Technology

Emergency Medical Technician (Basic EMT/EMT-IV)

EMT-Basic 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 basic classes.

1. Complete application for admission to the College by submitting the following to the Admissions office.
 - a. completed application for admission
 - b. official college transcripts
 - c. high school transcripts or GED
2. Satisfy all placement exam requirements by completing all required 0700-level courses.
3. Must be at least 18 years of age.
4. Once enrolled, students are required to submit documentation of a completed *Physical Examination* form (including TB skin test or chest x-ray), proof of immunizations to the program director prior to participating in clinical rotations, and proof of personal health insurance coverage. If the documentation is not completed prior to the first clinical day, students will not be permitted in the clinical setting.

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 your program. More information is available from your 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 your program director

EMT-Paramedic (Technical Certificate)

National and State Accreditation through Committee on Accreditation of Educational Programs for the EMS Profession (CoAEMSP) & Tennessee Department of Health Division of Emergency Medical Services

An EMT-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.

The EMT-Paramedic curriculum is designed to enhance the basic and interpersonal skills obtained through the EMT-Basic license. 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 EMT-Paramedic licensure.

The program is 12 months in length. All applicants must be licensed in Tennessee as a Basic Emergency Medical Technician-IV (EMT-IV) or eligible for state license prior to acceptance into the program. If eligible for licensure, the EMT-IV license must be obtained prior to starting the program.

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 your program. More information is available from your 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 your program director

Admission Requirements

1. 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.

2. 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:
 - a. lift a minimum of 125 lbs.
 - b. visually assess patients in the work environment to include detecting auditory and color changes, as well as unusual odors.
 - c. communicate both verbally and in writing using the English language.
 - d. make appropriate judgments in emergency situations.
 - e. demonstrate emotional stability.
 - f. demonstrate psychological health in day-to-day interactions with patients, their family members and other personnel.
3. Applicants must have demonstrated basic reading, writing, and math competencies as defined in the Admission Process below.
4. 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.
 - a. Completed Physical Examination form (the form will be provided by the program director).
 - b. Evidence of a current Basic Cardiac Life Support (BCLS) certification (must include two-person CPR) for the health care professional.
 - c. Evidence of personal health insurance coverage.

Admission Process

1. Applicants must meet the general requirements for admission to the College and apply for admission as stated in the College catalog.
2. Demonstrate basic reading, writing, and math competencies by appropriate scores on ACT, SAT or college placement test or successful completion of remedial (0700 level) courses. This requirement may also be demonstrated by successful completion of developmental (0800 level) or college-level English and Mathematics courses.
3. All applicants must submit a completed application to the program director between January 1 and May 1.
4. 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.
5. Prior to admission, all applicants will take a Basic EMT examination.
6. Applicants must complete a psychological profile or personality index. A fee will be assessed for this testing. Arrangements for this test must be made through the program director.
7. Applicants must demonstrate the ability to lift a stretcher of the appropriate weight limit into an ambulance and obtain an accurate set of vital signs on a simulated patient.
8. Applicants will be interviewed by the EMT-Paramedic Program's selection committee.
9. Admission decisions will be made by July 1. Admitted students will begin the program in the fall semester.

Selection Criteria

Applicants must obtain an overall average of 2.5 out of 5 points in the following areas of the application process: EMT Basic entrance examination, oral interview to be eligible for admission into the EMT Paramedic Program, and psychological profile or personality index.

1. EMT Basic 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
2. 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.
3. Psychological Profile or Personality Index: Each applicant will be scored on a scale of 1-5 points based on the criteria set by the program and assessed by the examiner.

Retention Requirements

After admission to the program, to remain eligible for continuation, a student must earn a grade of "C" or better in all EMT 200 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 EMT-Paramedic Program with a minimum of a 2.0 cumulative grade point average.

Readmission Requirements

Readmission to the EMT-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 by June 1. 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.

Required Courses

	12 Credit Hours
Fall	
EMT 210	Paramedic Theories I 5
EMT 211	Fundamentals of Paramedic Practice I 1
EMT 212	Pre-hospital Emergency Pharmacology 2
EMT 213	Advanced Cardiac Care 1
EMT 214	Clinical Practice I 3
Spring	
EMT 215	Paramedic Theories II 5
EMT 216	Fundamentals of Paramedic Practice II 1
EMT 217	Pediatric and OB Emergencies 2
EMT 218	Advanced Trauma Life Support 1
EMT 219	Clinical Practice II 3
Summer	
EMT 220	Field Internship 4
EMT 221	Fundamentals of Paramedic Practice III 4

Total Credit Hours: 32

General Technology

Major in General Technology (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

The General Technology degree provides an opportunity for students to select a combination of courses from programs that will allow them to meet specific career-related objectives. Goals of the program are to provide a strong foundation in general education, including effective communication, problem-solving, social interaction skills and an appreciation of the importance of personal motivation and responsibility. Designed as a cross-disciplinary program, the General Technology degree allows students to combine business, business information technology, economics, marketing, computer information systems, industrial technology, engineering graphics, science, math, emergency medical technology and office administration courses to meet their individualized needs.

If a student has successfully completed a recognized Department of Labor apprenticeship program, block credit for up to 15 hours may be awarded. See the Business and Technology division chair for more information. Credit will not be awarded by Columbia State until a student has successfully completed 15 hours of college level work at Columbia State and all required developmental studies courses.

Students who have earned a Tennessee Technology Center (TTC) diploma may be awarded 30 hours of block credit toward the General Technology degree. This credit may count towards a 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 a student has successfully completed 15 hours of college level work at Columbia State and all required developmental studies courses.

Required Courses 13-15 credit hours

Math Elective*	3
Humanities/Fine Arts Elective*	3
ENGL 1010 Composition I	3
SPT 241 Speech Communication, or	3
SPT 280 Argumentation and Debate	3

Business Directed Sequence Courses 48 credit hours

Social/Behavioral Sciences Elective*	3
BIT, BIOL, BUS, CIS, CHEM, COP, ECO, EET, ERG, INT, MATH, MKT, OFA, PHYS, PSCI Electives	30
BIT 120 Career Success	3
BUS 111 Business Writing	3
BUS 121 Principles of Accounting I	3
BUS 242 Principles of Supervision	3
CIS 109 Computer Applications I	3

EMT-Paramedic Directed Sequence Courses

48 credit hours

CIS Elective*	2
EMT Certificate Course (students holding a current Tennessee Paramedic license may receive up to 32 hours credit)	32

(See the EMT-Paramedic (Technical Certificate) program for courses)

BIOL 2010	Human Anatomy and Physiology I	4
BIOL 2020	Human Anatomy and Physiology II	4
BUS 242	Principles of Supervision	3
PSY 206	Developmental Psychology: Lifespan	3

* Elective Options

Elective options are listed on p. 28.

Horticultural Technology

Major in Horticultural Technology (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program. Students may choose a concentration in Landscape Management or in Turfgrass Management.)

The Horticultural Technology program is designed to provide the knowledge and technical skills that are necessary to prepare students for careers within the landscape and turfgrass industry. Landscape Management will prepare students for management level positions with landscape maintenance and installation companies, and for positions as horticultural supervisors. Turfgrass Management will prepare students for management positions in the lawn care industry, golf courses, parks and recreational complexes.

Required Courses

General Education

Humanities/Fine Arts Elective*	3
Social/Behavioral Sciences Elective*	3
Elective	1
BIOL 1110 General Biology I	4
ENGL 1010 Composition I	3
ENGL 1070 Technical Writing	3
SPAN 1010 Beginning Spanish I	3
SPT 241 Speech Communication, or	3
SPT 280 Argumentation and Debate	3

Total General Education: 23

Major Core

AGT 101	Introduction to Agricultural Business	3
AGT 121	Introduction to Plant Science	3
AGT 141	Introduction to Agricultural Engineering	3
AGT 224	Introduction to Ornamental Horticulture	3
AGT 226	Horticultural Pest Management	3
AGT 227	Grounds Equipment Management	2
AGT 228	Irrigation Design	1
AGT 231	Introduction to Soil Science	4
AGT 246	Introduction to Turfgrass Management	3
BUS 242	Principles of Supervision	3

Total Major Core: 28

Landscape Management Concentration

AGT 202	Horticulture Technology Practicum I*	4
AGT 204	Horticulture Technology Practicum II*	2
AGT 248	Master Gardener	3

Total Landscape Management Concentration: 9

Turfgrass Management Concentration

AGT 202	Horticulture Technology Practicum I*	4
AGT 204	Horticulture Technology Practicum II*	2
AGT 247	Athletic Field and Golf Course Management	3

*Site of employment must be approved by the program director.

Total Turfgrass Management Concentration: 9

Total Credit Hours: 60

*** Elective Options**

Elective options are listed on p. 28.

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 with 85% success.

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.

The Nursing Program has full approval from the Tennessee Board of Nursing. The program is accredited by the National League for Nursing Accrediting Commission (NLNAC).

National League for Nursing Accrediting Commission
61 Broadway, 33rd Floor
New York, NY 10006
1-800-669-9656, Ext. 153

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 2.500 or better.

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 your program. More information is available from your 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 your 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. Complete all required remedial (0700) and developmental (0800) level courses prior to submitting an admission application to the Nursing Program.
3. Complete Anatomy and Physiology I (BIOL 2010) prior to submission of an admission application to the Nursing Program.
4. ACT or SAT exam results are required of all applicants, regardless of educational experience or age. Exceptions to the ACT requirement may be made by the Nursing Program director when the applicant has an earned degree in a related field/major. Applicants should have a composite score of 19 or higher. A composite score below 19 will be considered for

admission if all required remedial and developmental courses are completed.

5. Earned a cumulative grade point average of 2.5 or above on a 4.0 scale for academic subjects. High school grade point average is used for students who graduated from high school during the year previous to admission in the Nursing Program.
6. Students without previous college experience must have completed:
 - a. two years of high school mathematics; and
 - b. two years of high school science.
7. If the applicant has been enrolled in another Nursing Program, the nursing courses will be evaluated for 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.
8. If three or more years have elapsed since enrollment in a nursing program, the nursing courses must be repeated.
9. 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.
10. 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.
11. 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.
 - a. 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 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. Some clinical facilities require a two-step TB Skin Test.

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.
- 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 or the American Heart Association.
- c. 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.
- d. Insurance: Students are responsible for all costs incurred related to health problems, including injuries occurring during clinical experiences. Some clinical agencies require that students provide verification of health insurance. Students must show documentation that they are covered by health insurance OR sign a waiver that states they accept responsibility for health care costs should injury occur.

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 GED results
 - 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 and August. Applications must be received in the Health Sciences/Nursing office on the Columbia campus before 4:00 p.m. on the last day. Any application received after 4:00 p.m. on the last day 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. Applicants are required to respond to the Nursing Program in writing of their desire to accept their position 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 recommendation from the dean/director

of the previous Nursing Program, to be mailed to the Nursing Program director.

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 2.00 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: If a theory or clinical course must be repeated, students will be required to register for both theory and clinical courses regardless of the grades previously earned.

Students who fail to meet these continuation requirements stated above will be dismissed from the Nursing Program. Students dropped from the program may be qualified to continue taking courses at Columbia State, but will not be permitted to register in nursing courses without readmission to the program.

Readmission Requirements

Only one readmission into 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.

Readmission Procedure

1. Complete a readmission application and return the form to the Health Sciences/Nursing office.
2. Provide written documentation to the Nursing Program director stating the reason(s) for withdrawal or failure and indicate the actions the student has followed 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. The Nursing Program director will notify students seeking readmission of their status.

Required Courses

Prerequisite: **4 credit hours**
 BIOL 2010 Human Anatomy and Physiology I 4

Freshman Year
First Semester 15 credit hours

BIOL 2020	Human Anatomy and Physiology II	4
NUR 121	Math Applications for Nursing	1
NUR 1115	Nursing I	5
NUR 1118	Nursing I Clinical and Skills Lab	2
PSY 101	General Psychology I	3

Second Semester 16 credit hours

BIOL 2230	Microbiology	4
NUR 122	Pharmacology	2
NUR 1125	Nursing II	5
NUR 1128	Nursing II Clinical	2
PSY 206	Developmental Psychology: Lifespan	3

Sophomore Year
Third Semester 17 credit hours

Humanities/Fine Arts Elective*		3
ENGL 1010	Composition I	3
NUR 2116	Nursing III	4
NUR 2117	Psychiatric/Mental Health Nursing	2
NUR 2118	Nursing III Clinical	3
NUR 2187	Management of Care Issues I, or	2
NUR 2197	Management of Care Issues II	2

Fourth Semester 14 credit hours

NUR 2125	Nursing IV	6
NUR 2128	Nursing IV Clinical	3
NUR 2187	Management of Care Issues I, or	2
NUR 2197	Management of Care Issues II	2
SPT 241	Speech Communication, or	3
SPT 280	Argumentation and Debate	3

Total Credit Hours: 66

* Elective Options

Elective options are listed on p. 28.

LPN Career Mobility Ladder (Option A)

Major in Nursing (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

The Career Mobility Ladder Option A is an articulation plan for the licensed practical nurse (LPN). Qualified LPNs can complete the Associate of Applied Science degree in nursing requirements in three semesters of full-time nursing study. LPNs are admitted on a space available basis.

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 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 (Foundations of Nursing) within three (3) years prior to the semester seeking entry.
3. Worked 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 GED
 - 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 remedial and developmental 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.
4. Complete an interview with the Nursing Program director or designee, if requested.
5. Complete prerequisite courses with grades of "C" or better.
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.) section.

Required Courses

Prerequisites:		11 credit hours
BIOL 2010	Human Anatomy and Physiology I	4
BIOL 2020	Human Anatomy and Physiology II	4
PSY 101	General Psychology I	3

Block Credit:	8 credit hours
Credit for NUR 1115, NUR 1118 and NUR 121 will be awarded upon successfully passing the Foundations Challenge Exam and NUR 1125, NUR 1128 and NUR 122.	

Second Semester	16 credit hours	
BIOL 2230	Microbiology	4
NUR 122	Pharmacology	2
NUR 1125	Nursing II	5
NUR 1128	Nursing II Clinical	2
PSY 206	Developmental Psychology: Lifespan	3

Third Semester	17 credit hours	
Humanities/Fine Arts Elective*		3
ENGL 1010	Composition I	3
NUR 2116	Nursing III	4
NUR 2117	Psychiatric/Mental Health Nursing	2
NUR 2118	Nursing III Clinical	3
NUR 2187	Management of Care Issues I, or	2
NUR 2197	Management of Care Issues II	2

Fourth Semester	14 credit hours	
NUR 2125	Nursing IV	6
NUR 2128	Nursing IV Clinical	3
NUR 2187	Management of Care Issues I, or	2
NUR 2197	Management of Care Issues II	2
SPT 241	Speech Communication, or	3
SPT 280	Argumentation and Debate	3

Total Credit Hours: 66

* Elective Options

Elective options are listed on p. 28.

LPN Career Mobility Ladder (Option B)

Major in Nursing (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program.)

The career mobility ladder option B is an articulation plan for the licensed practical nurse (LPN). Qualified LPNs can complete the Associate of Applied Science degree in nursing requirements in two semesters of full-time nursing study. LPNs are admitted on a space available basis.

Admission Requirements

In addition to the admission requirements for the Major in Nursing, licensed practical nurses seeking admission through the Career Mobility Tract Option 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 examinations for nursing (Foundations of Nursing and Nursing Care During Childbearing) within three (3) years prior to the semester seeking entry.

3. Worked 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 GED
 - 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 remedial and developmental 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.
4. Complete an interview with the Nursing Program director or designee, if requested.
5. Complete prerequisite requirements prior to beginning the ADN Role Transition and Pharmacology courses with grades of "C" or better.
6. Once admitted, students are required to submit the same documentation for the 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.) section.

Required Courses

Prerequisites

BIOL 2010	Human Anatomy and Physiology I	4
BIOL 2020	Human Anatomy and Physiology II	4
BIOL 2230	Microbiology	4
PSY 101	General Psychology	3
PSY 206	Developmental Psychology: Lifespan	3

18 credit hours

Block Credit:

Credit for NUR 1115, NUR 1118, NUR 121, NUR 1125, and NUR 1128 will be awarded upon successfully passing both the Foundations and Childbearing Challenge Exams and NUR 2116, NUR 2117, NUR 2118, NUR 2187 or NUR 2197, and NUR 122.

14 credit hours

Transition Semester

NUR 101	ADN Role Transition	3
NUR 122	Pharmacology	2

5 credit hours

Third Semester

Humanities/Fine Arts Elective*		3
ENGL 1010	Composition I	3
NUR 2116	Nursing III	4
NUR 2117	Psychiatric/Mental Health Nursing	2
NUR 2118	Nursing III Clinical	3
NUR 2187	Management of Care Issues I, or	2
NUR 2197	Management of Care Issues II	2

17 credit hours

Fourth Semester

NUR 2125	Nursing IV	6
NUR 2128	Nursing IV Clinical	3
NUR 2187	Management of Care Issues I, or	2
NUR 2197	Management of Care Issues II	2
SPT 241	Speech Communication, or	3
SPT 280	Argumentation and Debate	3

14 credit hours

Total Credit Hours: 66

* Elective Options

Elective options are listed on p. 28.

Radiologic Technology

Major in Radiologic Technology (A.A.S.)

(Designed for the student who does not intend to transfer into a baccalaureate degree program; however, many B.S. programs now exist that may accept the A.A.S. degree along with certification by the ARRT as part of the academic entry requirements.)

Radiologic technology is an art and a science combining advanced imaging technology and human compassion.

A radiographer is a health care professional who is educated, trained and certified to use x-rays and other forms of radiation to make images of patients' internal structures. The radiographer is responsible for the safe and proper operation of equipment. He or she frequently works independently, exercising care and judgment while producing the best possible images for interpretation by the radiologist. As a professional, the radiographer is required to observe the ethical and professional standards expected of all persons involved in caring for patients in healthcare settings. In addition, these team members adhere to the American Registry of Radiologic Technologists (ARRT) Standards of Ethics and the American Society of Radiologic Technologists (ASRT) Radiography Practice Standards.

Upon successful completion of the 22-month full scope of practice program, students are eligible to apply for the American Registry of Radiologic Technologists (ARRT) certification exam in radiography. Registry-eligible graduates have the opportunity for employment in hospitals, doctors' offices, outpatient centers or other healthcare facilities. Our graduates experience excellent career mobility. Areas of advancement include radiation therapy, ultrasound, mammography, nuclear medicine, computed tomography, magnetic resonance imaging and angiography. Some graduates have chosen to pursue careers as technical sales representatives, educators, managers/administrators, or instructors with equipment manufacturers and physicians.

Whatever path is chosen, radiography provides many opportunities for professional growth. Technologically, it is the fastest growing area of all allied health careers. Starting salaries can range from approximately \$30,000 to \$36,000, depending on the geographic area, the specialty, and the shift worked.

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

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 setting capacities and admission is not guaranteed. Formal interviews with the Radiologic Technology Advisory Committee are held in the spring of each year. New classes begin the second session of the summer term. Applicants should schedule an orientation in the summer or fall to allow sufficient time for completion of all required forms prior to February 1 of the next year. Only applicants who have completed all admission requirements will be considered for interviews with the committee. More information regarding the program is now available online at www.columbiastate.edu/radtech and may be more current than the catalog.

Following the formal interviews, applicants will be notified of their admission status by the Radiologic Technology department.

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 your program. More information is available from your 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.

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 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/radtech.

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 program achieves the following goals

- Ensure that each graduate has attained a level of didactic and clinical competence that provides successful entry into the profession;
- Promote and maintain high academic and professional standards; and
- Provide a foundation for advanced study in the radiologic sciences.

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," in the current college catalog.
3. Complete all required remedial (0700) level and developmental (0800) level courses by the end of the fall semester prior to the year in which admission is sought.
4. ACT (national) 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 530 on the GED.
6. Schedule, attend, and complete an orientation session by going to www.columbiastate.edu/radtech and selecting "Sign Up For Orientation." Orientations are conducted approximately every 10-14 days from mid-July to early January. Be sure to write down the date, time, and location before clicking "submit." Applicants will receive all paperwork and a full explanation of the program and profession. Attend orientation

at the earliest possible date, giving 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 orientation, completion of both portions of the clinical observation assignment (scheduled at orientation), and review of the Radiologic Technology Applicant Handbook available online at www.columbiastate.edu/radtech. 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. The applicant must also return the observation documentation.
 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.
- 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.
 - e. 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 these tests, 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 your program. More information is available from your program director.
 - f. Attend an educational session related to the benefits of the Hepatitis B vaccine and submit the accept/decline form. Students who have already been immunized or elect to participate in the Hepatitis B vaccination program are required to obtain a titer once immunization is complete and submit the results to program or institutional officials.

Completion of the items listed above denotes consideration for an interview but in no way implies or guarantees admission to the program.

10. 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.
 - b. Basic Cardiac Life Support (BCLS) Requirements: All students must submit evidence of a current BCLS certification (must include two-person CPR) for the healthcare professional. BCLS certification classes are offered by Columbia State Community College, healthcare organizations, or the American Heart Association.

Admission Procedure

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 GED results.
 - d. ACT or SAT exam results.
2. Schedule and attend an orientation listed at www.columbiastate.edu/radtech.
3. Submit completed program application forms received at orientation.
4. If an applicant does not meet the admission criteria, he/she will be notified in writing. If the applicant wishes to complete their 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 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/Nursing office in the Warf Building, room 109.
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. College Algebra or Precalculus 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 Procedure

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.

Required Courses**Freshman Year****Summer — Second Term****7 credit hours**

Social/Behavioral Sciences Elective*	3
RAD 101 Introduction to Radiography	2
RAD 112 Image Production I Credits	2

Fall**18 Credit Hours**

BIOL 2010 Human Anatomy and Physiology I	4
CIS 109 Computer Applications I	3
ENGL 1010 Composition I	3
MATH 1130 College Algebra, or	3
MATH 1710 Precalculus Algebra	3
RAD 113 Image Production II	2
RAD 121 Radiographic Positioning I	3

Spring**16 Credit Hours**

Humanities/Fine Arts Elective*	3
BIOL 2020 Human Anatomy and Physiology II	4
RAD 106 Radiation Physics	2
RAD 122 Radiographic Positioning II	2
RAD 123 Contrast Media Procedures	2
RAD 190 Radiologic Practicum I	3

Sophomore Year**Summer****6 Credit Hours**

RAD 291 Radiologic Practicum II	6
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Fall**15 Credit Hours**

RAD 241 Radiographic Special Procedures	2
RAD 292 Advanced Radiation Physics and Radiobiology	2
RAD 294 Radiologic Practicum III	8
SPT 241 Speech Communication, or	3
SPT 280 Argumentation and Debate	3

Spring**12 Credit Hours**

RAD 251 Survey of Medical and Surgical Diseases	2
RAD 281 Radiation Protection and Radiologic Seminar	2
RAD 295 Radiologic Practicum IV	8

Total Credit Hours: 74*** Elective Options**

Elective options are listed on p. 28.

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 five-semester Respiratory Care Program offered at Columbia State is designed to prepare students to function as registered respiratory therapists. Registered respiratory therapists assist physicians in the 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.

In addition to lecture and lab courses, 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. Transportation to and from clinical sites 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 your program. More information is available from your 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 your program director.

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.

The respiratory care program at Columbia State Community College is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon recommendation of the Committee on Accreditation for Respiratory Care (CoARC).

Commission on Accreditation of Allied Health Education Programs
1361 Park Street
Clearwater, FL 33756
727-210-2350
www.caahep.org

Committee on Accreditation for Respiratory Care
1248 Harwood Road
Bedford, TX 76021-4244
817-283-2835
www.coarc.com

Program outcomes include:

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 fourth week in May 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. Complete all developmental courses as determined by the ACT/SAT or placement exam or obtain a permanent waiver from the exam or course prior to the application deadline.
4. Possess a cumulative grade point average of 2.0 or above on a 4.0 scale for academic subjects. Developmental studies 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. 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.
 - f. Perform the duties of a respiratory therapist under the stress of medical emergencies, death and dying, natural disasters, etc.

Admission Procedures

1. Submit the following to the Admissions office:
 - a. Completed College application for admission.
 - b. Official college transcripts.
 - c. High school transcripts or GED.
 - d. ACT/SAT or placement exam results as required by the College.
2. Submit program application to the Respiratory Care Program director.
3. Attend an informal 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 math and science course.
5. Maintain a cumulative 2.0 GPA or better, excluding developmental studies 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.
- 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.
 - All students must have:
 - Documented initial negative TB skin test and chest x-ray. TB skin tests must be repeated annually.
 - Evidence of Immunity for:
 - Rubella (German measles or 3 day measles), (positive titer).
 - Varicella zoster (chicken pox) (positive titer).
 - Rubeola titer (measles), (positive titer).
 - Tetanus/diphtheria booster within the past ten years.
 - Mumps (positive titer).

The complete list of requirements is given on the *Physical Examination* form.
 - CPR Requirements: All students must submit evidence of a current Basic Life Support (BLS) certification for the health care professional which does not expire until after graduation.
 - Malpractice Insurance: Malpractice insurance is required for all clinical courses. A group policy is provided with the fee assessed with tuition each fall.
 - 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.
 - 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.
 - 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.

Students who do not meet the continuation requirements will be dismissed from the program. Those dismissed may still be eligible to continue as students of the College. Depending on the circumstances of the dismissal, those dismissed from the program may apply for readmission into the program at a later date. A student who is dismissed from the program two (2) times will not be readmitted.

Readmission into the Program

Readmission into the program will be based on available space and the circumstances for withdrawal or dismissal. Readmission is not guaranteed. Students seeking readmission must apply in writing to the program director at least 60 days prior to the beginning of the semester they desire to enroll. Didactic and clinical skills may be tested in order to determine placement.

Students must have completed, with a "C" or better, all required math and science courses no later than the semester listed in the program of study and possess a GPA of 2.0 or higher, excluding developmental studies courses. Due to the rapid technological changes in respiratory care, those having sat out three or more years must repeat all Respiratory Care courses, and both Anatomy & Physiology courses.

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. Those having a three or more year gap in their respiratory care education will repeat all Respiratory Care courses and Anatomy & Physiology I & II.

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:

- Satisfy the "Admission Requirements" and "Continuation Requirements" of the program as listed above.
- 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.

Required Courses

Freshman Year

Fall

BIOL 2010	Human Anatomy and Physiology I	4
ENGL 1010	Composition I	3
MATH 1130	College Algebra, or	3
MATH 1530	Elementary Statistics, or	3
MATH 1710	Precalculus Algebra	3
PSY 101	General Psychology I	3
PSY 102	General Psychology II, or	3
PSY 206	Developmental Psychology: Lifespan, or	3
RCT 101	Fundamentals of Respiratory Care I	4

17 Credit Hours

Spring

BIOL 2020	Human Anatomy and Physiology II	4
BIOL 2230	Microbiology	4
RCT 102	Fundamentals of Respiratory Care II	4
RCT 120	Respiratory Care Pharmacology	2
RCT 191	Clinical Practice I	1

15 Credit Hours

Applications received after May 15 will be considered on a space available basis.

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 these facilities. Clinical sites will be assigned to the student by program faculty to provide exposure to a variety of animal species. Assignment locations will not be based solely on proximity to the student's place of residence.

Summer

RCT 130	Intensive Care Monitoring	4
RCT 150	Arterial Blood Gases	4
RCT 192	Clinical Practice II	3

11 Credit Hours**Sophomore Year****Fall**

Humanities/Fine Arts Elective*		3
RCT 221	Mechanical Ventilation	4
RCT 242	Respiratory Pathophysiology	3
RCT 293	Clinical Practice III	4

14 Credit Hours

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 your program. More information is available from your program director.

Spring

RCT 212	Pulmonary Functions/Seminar	4
RCT 252	Neonatal/Pediatric Respiratory Care	4
RCT 294	Clinical Practice IV	4
SPT 241	Speech Communication, or	3
SPT 280	Argumentation and Debate	3

15 Credit Hours

Upon successful completion of the program students are awarded the Associate of Applied Science degree and are eligible for licensure by the State Board of Veterinary Medical Examiners as a Licensed Veterinary Medical Technician.

Total Credit Hours: 72

*** Elective Options**

Elective options are listed on p. 28.

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.

The first job for about 85% 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 rapidly growing. Opportunities exist in the following areas: teaching, pharmaceutical sales, the military, humane societies, livestock health manager on farms or ranches, biomedical research, diagnostic laboratories, zoo/wildlife medicine, veterinary supplies sales and industry.

The Veterinary Technology Program at Columbia State 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.

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.

Accreditation Information

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 GED 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 to schedule an appointment for a preliminary interview. The interview gives the applicant an opportunity to learn about admission and program requirements.

The following items must be on file in the Admissions office:

1. Columbia State application.
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. American College Testing (ACT) or SAT, if under age 21.
 - b. Placement test scores, if required.

The following are requirements of the Veterinary Technology Program:

1. Complete all Veterinary Technology Program application forms.
2. Complete a formal personal interview with the program director of Veterinary Technology and/or the selection committee.
3. Complete an eight-hour observation of the activities and duties of a licensed veterinary technician.
4. Report, in writing, any felony convictions.
5. 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.

- Complete all developmental course work as required by the placement test prior to enrolling in Veterinary Technology courses.

Completion of these requirements certifies eligibility, but in no way implies or guarantees admission to the program.

The deadline for applying for the Veterinary Technology Program is May 15. Applicants completing the requirements after May 15, but before the beginning of the fall semester, may be considered at a later admission session if the enrollment limit for the program has not been reached.

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:

- Earn a "C" or higher in each Veterinary Technology course.
- Earn a "C" or higher in clinical practice, which is considered satisfactory performance in clinical assignment.
- Maintain a GPA of 2.0 or higher.
- Maintain professional conduct as outlined in the Veterinary Technology statement of policy.

Students who do not meet the continuation requirements will be dismissed from the Veterinary 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 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 for dismissal. 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 will 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, and readmission will be considered only if there are positions available within the class.

Required Courses

Freshman Year

Fall

AGT 111	Introduction to the Animal Sciences	3
BIOL 1110	General Biology I	4
ENGL 1010	Composition I	3
VET 112	Veterinary Technology Orientation I	4

14 Credit Hours

Spring

BIOL 2230	Microbiology	4
ENGL 1020	Composition II	3
SPT 241	Speech Communication, or	3
SPT 280	Argumentation and Debate	3
VET 113	Veterinary Technology Orientation II	4

14 Credit Hours

Summer

VET 102	Animal Anatomy	4
VET 191	Clinical Practicum I	2
VET 201	Veterinary Lab Procedures I	5

11 Credit Hours

Sophomore Year

Fall

AGT 214	Livestock Management	3
VET 192	Clinical Practicum II	5
VET 202	Veterinary Lab Procedures II	5
VET 251	Pharmacology	3

16 Credit Hours

Spring

Humanities/Fine Arts Elective*		3
Social/Behavioral Sciences Elective*		3
VET 193	Clinical Practicum III	5
VET 203	Veterinary Lab Procedures III	5

16 Credit Hours

Total Credit Hours: 71

* Elective Options

Elective options are listed on p. 28.

Course Descriptions

Agriculture

AGT 101 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. 2 hrs. lecture, 2 hrs. lab.

AGT 111 Introduction to the Animal Sciences (3)
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. 2 hrs. lecture, 2 hrs. lab.

AGT 121 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.

AGT 141 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 soil and water conservation. 2 hrs. lecture, 2 hrs. lab.

AGT 202 Horticulture Technology Practicum I (4)
Students will work at a business concerned with horticulture for the semester and will be expected to perform the duties involved with the day to day activities of that business. Students will complete a minimum of 240 hours at their assigned location.

AGT 204 Horticulture Technology Practicum II (2)
Students will work at a business concerned with horticulture for the semester and will be expected to perform the duties involved with the day to day activities of that business. Students will complete a minimum of 120 hours at their assigned location.

AGT 214 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. 2 hrs. lecture, 2 hrs. lab.

AGT 224 Introduction to Ornamental Horticulture (3)
Introduction to landform, landscape materials, ornamental plants, turfgrass, and planting design. Awareness and sensitivity to the landscape; basic graphic skills and design theory with an emphasis on residential landscape planning and implementation. 2 hrs. lecture, 2 hrs. lab.

AGT 226 Horticultural Pest Management (3)
Identification of horticultural pests as well as an introduction to pesticides, manufacture regulations, marketing and use of pesticides, structure, mode of action, toxicity, degradation, safety, and environmental impact of commonly used pesticides. Biological, chemical and non-chemical approaches and their effectiveness in controlling pests. (This course is not designed for transfer.) 3 hrs. lecture/lab.

AGT 227 Grounds Equipment Management (2)
Introduction to the types and functions of various equipment used in commercial and residential grounds maintenance. Management practices including maintenance and proper usage. (This course is not designed for transfer.) 3 hrs. lecture/lab.

AGT 228 Irrigation Design (1)
An introduction to irrigation design and maintenance for commercial and residential grounds. (This course is not designed for transfer.) 3 hrs. lecture/lab.

AGT 231 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. 2 hrs. lecture, 2 hrs. lab.

AGT 246 Introduction to Turfgrass Management (3)
An introductory course in the study of turfgrass management as it relates to residential, commercial, recreational, golf course, and athletic field turfgrass. The course includes species identification, maintenance practices, and establishment procedures. 2 hrs. lecture, 2 hrs. lab.

AGT 247 Athletic Field and Golf Course Management (3)
An in-depth study of the best management practices for athletic fields and golf courses, including maintenance practices, design, and construction. (This course is not designed for transfer.) 3 hrs. lecture, 2 hrs. lab.

AGT 248 Master Gardener (3)
The Master Gardener Program is a nationally recognized course that covers all areas of basic horticulture in great detail, including fertility, planning, pest control, and variety selection. This course will be taught in conjunction with the University of Tennessee Extension Service. (This course is not designed for transfer.) 4 hrs. lecture/lab.

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.

ART 1110 Basic Design I (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.

ART 1120 Basic Design II (3)
An emphasis on color theory, space, and three-dimensional problems. 2 hrs. lecture, 4 hrs. studio.

ART 2010 Art History Survey I (3)
A survey of architecture, painting and sculpture from prehistoric times to the Renaissance.

ART 2020 Art History Survey II (3)
A survey of art events leading up to and including the art of the present.

ART 2110 Drawing I (3)
An introduction to the materials and techniques of drawing. 2 hrs. lecture, 4 hrs. studio.

ART 2120 Drawing II (3)
Emphasis on drawing as a means of artistic expression. (Prerequisite: ART 2110.) 2 hrs. lecture, 4 hrs. studio.

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.

ART 2510 Painting I (3)
An introduction to the techniques, materials and tools used in oil and acrylic polymer painting. (Prerequisites: ART 1110, 1120, 2110, and 2120.) 2 hrs. lecture, 4 hrs. studio.

ART 2520 Painting II (3)
An emphasis on individual experimentation in oil and acrylic polymer painting. (Prerequisite: ART 2510.) 2 hrs. lecture, 4 hrs. studio.

ART 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.

ART 2620 Photography II (3)
An emphasis on individual camera techniques, accessories, and specific problems. Individual projects and assignments will be critiqued. Studio time is available for students. (Prerequisite: ART 2610.)

ART 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.

ART 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.

ART 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.

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. (Prerequisites: DSPR 0800 or college-level reading proficiency, 2 years of high school algebra and satisfactory placement test scores or DSPM 0850.) 3 hrs. lecture, 3 hrs. lab.

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, metabolism, genetics, diversity of life, and ecology. Primarily designed for students whose program of study requires one semester of biological science combined with a semester of chemistry or physics. Credit may not be earned in both BIOL 1030 and 1110. 3 hrs. lecture, 2 hrs. lab.

BIOL 1110 General Biology I (4)
An introductory course devoted to the study of the methods of science, molecular biology, and the dynamics of the living cell. A beginning study of the structure and function of living organisms is also included. 3 hrs. lecture, 2 hrs. lab.

BIOL 1120 General Biology II (4)
A continuation of the study of the structure and function of living organisms. Genetics and ecology are also included. 3 hrs. lecture, 2 hrs. lab.

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, digestive, and respiratory systems. 3 hrs. lecture, 2 hrs. lab.

BIOL 2020 Human Anatomy and Physiology II (4)
A study of the structure and function of the human excretory, reproductive, endocrine, circulatory, and nervous systems with final emphasis on the interrelationships of the various systems. (Prerequisite: Successful completion of Human Anatomy and Physiology I.) 3 hrs. lecture, 2 hrs. lab.

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.

BIOL 2610 Genetics (4)
An introduction to the basic principles of heredity, including Mendelian and molecular genetics. (Prerequisite: BIOL 1120 or permission of the instructor.) 3 hrs. lecture, 2 hrs. lab.

Business

BUS 101 Introduction to Business (3)
An introductory course which surveys the field of business. Aspects of management, finance, production, marketing, ownership, insurance, and the stock market are examined as they relate to business internally and as an economic unit in society.

BUS 110 Business Ethics (3)
This course will examine the basic ethical issues involved in the conduct of business. The course will promote critical thinking about business as a social, ethical, and moral activity. Students will consider commerce and the role of character in ethical decision-making and behavior. A goal of the course will be to encourage and facilitate ethical leadership through a practical study of ethics, as applied to business, healthcare and non-profit environments and to enhance the student's ability to make responsible ethical decisions.

BUS 111 Business Writing (3)
This course is a study of the principles of business communications and skills necessary to communicate effectively in the complex and ever-changing contemporary business environment. Emphasis is placed on the mechanics of writing and English grammar, spelling, and punctuation as used in letters, memoranda, reports, executive summaries, proposals, and other correspondence.

BUS 121 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.

BUS 122 Principles of Accounting II (3)
An expansion of BUS 121 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: BUS 121.)

BUS 181 Business Calculations (3)
A course designed to develop fundamental financial understanding and skills for future business practitioners. Emphasis will be placed on the time value of money and the related topics of compound interest, annuities, bonds, and loans. (Prerequisites: CIS 109 and DSPM 0800 or 17 Math ACT.)

BUS 205 Business Statistics (3)
Identification, interpretation, and use of statistical data. Topics include measures of central tendency, variation, probability theory, point and interval estimation, and hypothesis testing. (Prerequisite: MATH 1710 or MATH 1130.)

BUS 231 Federal Income Tax (3)
Addressed to a determination of taxable income for individuals, federal income tax returns, and research methods.

BUS 235 Cost Accounting (3)
Accounting data for managerial planning and control decisions; cost calculations, cost allocations, and behavior in manufacturing; systems and budgets. (Prerequisite: BUS 121.)

BUS 240 Legal Issues in the Workplace (3)

A study of current legal issues of importance to employers and employees. Course includes current law and interpretations in such areas as the Americans with Disabilities Act (ADA), harassment, and discrimination.

BUS 241 Fundamentals of Sales and Service (3)

The course will provide students with comprehensive coverage of contemporary and professional selling in an interesting and challenging manner. Students will study methods to maintain and improve customer relations in the workplace. Students will understand the fundamentals of personal selling.

BUS 242 Principles of Supervision (3)

This course provides for the development of supervisory ability and judgment through a presentation of the principles and techniques of effective supervision. Topics include communication, motivation, training, and counseling.

BUS 243 Entrepreneurship (3)

This course offers an overview of small business management, including aspects of starting the business as well as managing the ongoing venture. Emphasis is also placed on the ethical, social, and technological issues that affect today's small businesses. (Prerequisite: BUS 121 or BIT 123.)

BUS 250 Human Resource Management (3)

The course will cover the basic concepts, principles, and practices involved in the acquisition of human resources, and the role of human resource development in organizations including needs analysis. The course will also teach students to design, develop, and implement programs in training and development; career development; management development; and executive development.

BUS 251 Business Law (3)

A study of the legal rights and potential liabilities of business persons. Course includes an introduction to the development and nature of the legal system, the basic law of contracts, the Uniform Commercial Code, sales and consumer and debtor protection, real and personal property, and agency and employment law.

BUS 263 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. (This course is not designed for transfer.)

BUS 264 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. (This course is not designed for transfer.)

BUS 265 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. (This course is not designed for transfer.)

BUS 271 Personal Finance (3)

An introductory course to help students define and reach personal financial goals. Topics include planning, budgeting, taxes, credit, housing, insurance, and investing.

BUS 299 Business Management Capstone (3)

This course reintroduces students to management skills essential in today's competitive business world. Teamwork, oral and written communication skills will be emphasized. A business simulation will be an integral part of the course. The course will be one of the final business classes in the student's curriculum and will apply every aspect of the student's previous coursework. (Prerequisites: BUS 121, BUS 181, MKT 101 and Sophomore standing.)

Business Information Technology**BIT 120 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.

BIT 223 Accounting Applications Software (3)

Application of basic accounting concepts utilizing software packages for general ledger accounting including payroll, income tax and specialized spreadsheet applications. (This course is not designed for transfer.) (Prerequisites: CIS 109 and BUS 121.)

BIT 291 Current Topics in Business Information Technology (3)

This course is a study of current developments in the field of Business Information 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. (Prerequisite: Sophomore standing or permission of the instructor.)

BIT 299 Project Integration Capstone (3)

This is the capstone course for business information technology majors. Students will research and develop a major project that integrates the concepts and knowledge from prior courses. Students will pursue further selected study on topics in order to complete a personal portfolio, make presentations to the faculty, and demonstrate their overall understanding of program competencies. Students will participate on team projects and present current developments in their area of study. (Prerequisite: Sophomore standing and permission of a business and technology faculty member required.)

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, thermochemistry, and chemical kinetics. (Prerequisite: MATH 1130 or MATH 1710 or higher number than MATH 1710.) 3 hrs. lecture, 3 hrs. lab.

CHEM 1120 General Chemistry II (4)

The study of chemical equilibrium including ionic equilibria, acids, bases and salts, solubility product principle, redox reactions, electrochemistry, nuclear chemistry, introduction to organic chemistry. Qualitative analysis is presented in laboratory. (Prerequisite: CHEM 1110.) 3 hrs. lecture, 3 hrs. lab.

CHEM 2010 Organic Chemistry I (4)

The study of properties of aliphatic and alicyclic hydrocarbons, stereochemistry alkylhalides, alkenes, alkynes, alcohols, ethers, and benzene. (Prerequisite: CHEM 1120.) 3 hrs. lecture, 3 hrs. lab.

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. (Prerequisite: CHEM 2010.) 3 hrs. lecture, 3 hrs. lab.

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.

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. Course may be repeated for a maximum of four credits. Forty-five laboratory hours per semester.

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.

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.

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.

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.

CEN 135 Commercial Songwriting (3)
The study and composition of song forms, lyrics, and musical styles, and their application to country, pop, and other trends in commercial music. (Prerequisites: Students expected to sing or play guitar or piano. This course is only open to CEN Department majors or permission of instructor.)

CEN 200 Audition Techniques (2)
A course designed to prepare students for competitive auditions. Topics include selection of songs and dances which will best showcase the student's individual talents, resume development, publicity photos, strategies, and job opportunities. Students will participate in auditions and will prepare a video audition tape suitable for submission to prospective employers. (Prerequisite: permission of the instructor.)

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.

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)

CEN 205 Stagecraft (3)
Design, selection and sources for costuming. Scenery construction and rigging plus backstage techniques. Stage lighting techniques.

CEN 207 Entertainment Business (3)
A survey of the entertainment industry, including agents, personal managers, touring, contracts, professional organizations, unions, performing rights organizations, and venues.

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.

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.

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.)

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. (Prerequisite: MUS 2330.) (Corequisite: MUS 2350.)

Computer Information Systems

CIS 109 Computer Applications I (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.

CIS 116 Introduction to the Internet (1)
This course is designed to introduce the student to the use of the Internet. Major topics include electronic mail, file transfer protocol, and accessing and searching remote systems via Telnet, Gopher, and World Wide Web. Students will utilize both text-based and graphics-based systems. Students will be given access to Internet for the duration of the class. (Prerequisite: CIS 109 or permission of the instructor.) One hour lecture plus one to two hours lab work outside of class time.

CIS 131 Commercial Software Applications (1)
This course deals with special commercial software packages. The software packages will be determined by academic departments and announced in the printed schedule. Credit hours will be determined by the software difficulty.

CIS 132 Commercial Software Applications (2)
This course deals with special commercial software packages. The software packages will be determined by academic departments and announced in the printed schedule. Credit hours will be determined by the software difficulty.

CIS 150 PC Systems Support (3)
This course introduces the student to the process of installing, upgrading and repairing personal computer systems. Topics include PC troubleshooting; computer peripherals and hardware; and security measures associated with the home user and small office personnel. Students will use various graphical operating systems and their associated component. (Prerequisite: DSPM 0800 or 17 Math ACT, and OFA 103.)

CIS 170 Programming I (3)
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. (Prerequisites: DSPM 0850 or 19 Math ACT, BIT 115 and OFA 103.)

CIS 175 Computer Networking I (3)
This course introduces the student to networking essentials and Local Area Networks including major networking protocols and topologies, and communications software and hardware. Topics include OSI model, local area networks, network technology and design basics, networking architecture, IP addressing, subnetting and an introduction to network security. Additionally, students will complete several hands-on lab projects and be given the opportunity to troubleshoot and solve various network problems. Students will construct a working client/server network and install and configure appropriate operating system software. (Prerequisite: CIS 150.)

CIS 209 Computer Applications II (3)
This course uses commercial software to develop advanced skills in spreadsheets and database management. (Prerequisites: DSPM 0800 or Satisfactory Placement Scores in Math and CIS 109.)

CIS 263 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: CIS 109.)

CIS 270 Programming II (3)
This course provides advanced development of concepts and skills introduced in CIS 170. 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: CIS 170.)

CIS 275 Computer Networking II (3)
This course introduces the student to advanced networking skills and Wide Area Networks and the components that make up a Wide Area Network. The course will address topics such as routers, router configuration, wireless topologies, advanced network security, advanced TCP/IP topics (DHCP), Internet Information Server (Web Server) configuration, Domain Name Server (DNS) and configuration, and troubleshooting and optimization of multi-operating system networks. The course will also include major networking projects. (Prerequisite: CIS 175.)

CIS 280 Database Development (3)
This is an introductory course to database development. Students will create tables, queries, forms, reports, and write macros. Forms controls, calculated and linked fields, OLE fields and SQL commands are also covered. (Prerequisite: CIS 209.)

CIS 285 Computer Networking III (3)
This is the Networking capstone course which will address various topics relating to more sophisticated networks and additional network operating system software. This course will include major networking projects to be completed during the course. The course will address high level topics such as routers, router configuration and gateways, advanced TCP/IP topics, Internet Information server (Web server) configuration, and troubleshooting and optimization of multi-operating system networks. (Prerequisites: CIS 275.)

Cooperative Education

COP 201 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.)

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| 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

CJT 101 Introduction to Criminal Justice (3)
This study is an introductory course designed to familiarize students with the criminal justice system. Emphasis is placed on understanding the nature, functions, and limits of law. Special attention will be given to the criminal justice process, from arrest to final disposition. The course will prepare students for succeeding courses in the criminal justice program.

CJT 102 Criminal Law (3)
This course will include essential elements of crimes and defenses to criminal liabilities, responsibility and capacity to commit crimes, and criminal jurisdiction. The Tennessee Criminal Code will be utilized.

CJT 103 Criminal Law II (3)
This course is a study of constitutional doctrine as a series of controls on the administration of criminal justice. The opinions of the United States Supreme Court will be utilized as a basis of study. Emphasis will be placed on the Bill of Rights and on amendments having a relationship to criminal justice.

CJT 105 Introduction to Criminology (3)
A study of the factors involved in crime and criminal behavior. Social, cultural, and economic variables will be used as the basis of study.

CJT 110 Investigation Procedures (3)
Investigation Procedures is a study of the fundamentals of criminal investigation. Learners will examine the methods and techniques law enforcement officers utilize in the detection and investigation of crime.

CJT 120 Supervision and Management in Criminal Justice (3)
A study of the organizational structure and management procedures of criminal justice agencies. Special emphasis will be placed on personnel procedures, supervision, training, and relationships with associated organizations.

CJT 200 Criminal Evidence (3)
Students will learn the basic rules governing the admissibility of criminal evidence including classification of evidence. The rules applied to privileged communications, hearsay and exceptions to the hearsay, rule as well as the application of criminal evidence rules to the criminal justice process are included. This course will emphasize the study of pertinent case law.

CJT 201 Constitutional Rights of Prisoners (3)
This course focuses on the legal rights of prisoners. Some of the topics include civil rights, criminal liabilities, and disciplinary proceedings.

CJT 202 Correctional Security Administration (3)
Security within the prison and jail environment is closely examined. This course explains the role of the security manager in the prison and jail environments, the application of management techniques and the operation of the security division in prison and jail environments.

CJT 204 Juvenile Justice (3)
A study of youth crimes, this course will familiarize students with the historical development of juvenile justice, Tennessee juvenile code, and prevention programs. (This course is not designed for transfer.)

CJT 205 Introduction to Corrections (3)
A survey of the historical development of corrections in the United States with a look at the intervening and underlying methods of corrections, and generally both institutional and community-based correctional programs. An in-depth study of probation and parole is also included.

CJT 206 Theory and Practice of Law Enforcement (3)
History, philosophy and practices of American Law Enforcement, including the development and objectives of the American Police System with an emphasis on organization of local, state and federal law enforcement agencies. This course will also survey career opportunities and qualifications required for entry level positions.

CJT 207 Laws of Arrest, Search and Seizure (3)
This course endeavors to help students understand decisions of the United States Supreme Court that have had an impact upon federal, state and local

criminal justice agencies. These cases and decisions are studies in order that the students might have an opportunity to understand the Supreme Court's approach to analyzing search and seizure issues. Such understanding is essential for persons who are or will become engaged in criminal justice professions. It is important that these individuals be aware of the content and significance of new decisions to those previously rendered.

CJT 210 Corrections Counseling (3)
Principles and methods of counseling for inmates will be covered. Special emphasis will be placed on behavior change techniques. (Prerequisite: CJT 205.)

CJT 220 Special Problems: Law Enforcement (3)
Course is designed to permit the student to study and/or experience a particular problem in the field of law enforcement. (Prerequisite: permission of the instructor.)

CJT 230 Special Problems: Corrections (3)
Course is designed to permit the student to study and/or experience a particular problem in the field of corrections. (Prerequisite: permission of the instructor.)

Developmental Studies

DSPM 0700 Basic Mathematics (Institutional Credit) (3)
Topics for instruction include operations involving fractions, decimals, and integers; and problems involving percent, ratio and proportion, graphs, basic geometry, systems of measurement, and basic statistics. Algebra is introduced through evaluation of expressions and solutions of equations. Methods for solving real-world applications are integrated throughout the course content. Upon earning a grade of "C" or better, the student advances to Elementary Algebra, DSPM 0800.

DSPM 0800 Elementary Algebra (Institutional Credit) (3)
Topics for instruction include integers, algebraic operations, linear equations, inequalities, functions, graphing techniques, and systems of equations. Methods for solving real-world applications are integrated throughout the course content. Upon earning a grade of "C" or better, the student advances to Intermediate Algebra, DSPM 0850. (Prerequisite: DSPM 0700 or entry assessment.)

DSPM 0850 Intermediate Algebra (Institutional Credit) (3)
Topics for instruction include rules for exponents, polynomials, rational expressions, rational equations, quadratic equations and functions, conics, and radicals. Methods for solving real-world applications are integrated throughout the course content. Upon earning a grade of "C" or better, the student becomes eligible to enter first year college-level mathematics courses. (Prerequisite: DSPM 0800 or entry assessment.)

DSPR 0700 Basic Reading (Institutional Credit) (3)
A course which concentrates on basic comprehension and vocabulary skills. Topics offered include words in context, structural analysis, main idea, and supporting details. Upon earning a grade of "C" or better, the student advances to Developmental Reading (DSPR 0800). The class meets three hours per week.

DSPR 0800 Developmental Reading (Institutional Credit) (3)
A course which focuses on comprehension and vocabulary skills needed for general college reading and reading expository text. Major topics include vocabulary development, main idea and details, critical reading, flexible rate and strategies for organizing textbook information. (Prerequisite: DSPR 0700 or entry assessment.) 3 hrs. lecture, with additional individual and group conferences.

DSPS 0800 Learning Strategies (Institutional Credit) (3)
This course focuses on assisting students to adjust to the challenges of college life by adopting methods which promote academic success. Through didactic and experiential learning, students will give attention to self-concept enhancement, goal setting and time management, concentrating and remembering, creative and critical thinking, note-taking, test-taking, communication, and career planning. The course meets three hours per week with additional consultations.

DSPW 0700 Basic Writing (Institutional Credit) (3)
Addresses clear, concise writing skills. Topics included in the course are basic grammar, spelling, and sentence patterns. Heavy emphasis is placed on correcting students' persistent writing errors. Upon earning a grade of "C" or better, the student advances to Developmental Writing (DSPW 0800).

DSPW 0725 Basic Reading/Basic Writing (Institutional Credit) (4)
A combined course that pairs basic levels of reading and writing, Basic Reading/Basic Writing is a computer-assisted course that focuses on basic comprehension and vocabulary skills, as well as the development of clear, concise writing skills. Reading topics include words in context, organizational patterns, main idea, and supporting details; writing topics include grammar, spelling, and sentence patterns. Upon earning a grade of "C" or better, the student advances to Developmental Reading (DSPR 0800) and Developmental Writing (DSPW 0800). Students spend 3 hours in active classroom instruction and one additional hour per week on computer-generated lab assignments.

DSPW 0800 Developmental Writing (Institutional Credit) (3)
Focuses on writing competencies necessary for successfully completing Composition I. Topics include conceiving ideas, organizing, proofreading, revising, rewriting, and determining the most effective writing style for different readers and purposes. Microsoft Word is utilized for some word processing. Upon earning a grade of "C" or better, the student advances to college-level English courses. (Prerequisite: DSPW 0700 or entry assessment.)

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 nine. Field experiences required.

ECED 2010 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 nine. Also included is a study of principles of creating appropriate learning environments for young children. Field experiences required.

ECED 2015 Early Childhood Curriculum (3)
A study of developmentally appropriate practices and the teacher's role in supporting development of young children ages birth to nine. An emphasis on curriculum planning including goals, environment, roles of teachers and parents, materials, and settings. Field experiences required.

ECED 2020 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 nine. Laboratory observation and interaction. (Prerequisites: ECED 1010, 2010 and completion of all DSP requirements for reading, writing, and learning strategies.)

ECED 2030 Infant and Toddler Care (3)
A course on the care and education of infants and toddlers, birth to age three in group settings (i.e. child care centers, family child care homes, Early Head Start). Includes rationales and strategies for supporting the whole child including cognitive, language, social-emotional, and physical development in a safe, responsive environment. Emphasis is on relationship-based care and education with special attention to the unique environmental aspects of programs for the child under three.

ECED 2040 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 nine. Field experiences required.

ECED 2050 Psychomotor Development (3)
This course discusses the major theories of psychomotor development and the application to the development of the young child ages birth to nine. Particular emphasis is placed on the positive development of motor skills. Field experiences required. (Prerequisite: ECED 2020.)

ECED 2060 Development of Exceptional Children (3)
Explores practices that early childhood professionals can apply to develop a more inclusive and accessible environment for all children ages birth to nine. Provides students with skills to include children of all abilities through appropriate arrangement of the environment. Includes strategies for developing strong relationships with families and other community agencies. Field experiences required. (Prerequisites: ECED 2020 and 2040.)

ECED 2070 Developmental Assessment (3)
This course will cover assessment for children from birth to nine years of age. Both formal and informal instruments will be discussed with the emphasis on tools that can be used by teachers of young children. Considerations in choosing, administering, and reporting results of assessments will also be addressed. Field experiences required. (Prerequisite: ECED 2020.)

ECED 2080 Language and Literacy in Early Childhood (3)
The research-based principles for providing young children ages birth to nine a strong foundation in language and literacy within a developmentally appropriate approach. Field experiences required. (Prerequisites: ECED 2015 and 2020.)

ECED 2085 Math and Science in Early Childhood (3)
A course on the standards, principles, and practices in teaching mathematics and science to young children ages birth to nine. An emphasis will be placed on developing an integrated math and science curriculum that includes appropriate content, processes, environment and materials, and child-centered choices. Field experiences required. (Prerequisites: ECED 2015 and 2020.)

ECED 2090 Creative Development (3)
This course provides strategies for promoting creative development of the child ages birth to nine. 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.

ECED 2100 The Mentoring Teacher (3)
A study of the philosophy, principles, and methods of mentoring adults who have varying levels of training. Emphasis will be on the role of mentors as facilitators of adult learning while simultaneously addressing the needs of children, parents, and other staff. (Prerequisite: Department Approval.)

ECED 2110 Advanced Learning Environments (3)
This course focuses on the skill, knowledge, and materials development that are necessary in the provision of a developmentally appropriate environment for young children ages birth to nine. Field experiences required.

ECED 2120 Administration of Child Care Centers (3)
A study of organization and administration practices applicable to the child care center. Topics of special consideration will include leadership, enrollment and public relations, staff management, financial management, facilities, regulations, parent relations, and program development. Field experiences required.

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 nine. (Prerequisite: ECED 2010.)

ECED 2140 Clinical Practicum II (2)
Supervised clinical experience with a minimum of 15 clock hours in seminar and 45 clock hours in an approved Clinical Site (NAEYC, NAFCC or NSACA accredited agency or department approved site). Course includes emphasis on using reflective practice to examine components of quality, set goals, and

design a plan for professional growth for the early childhood educator of children ages birth to nine. (Prerequisites: ECED 1010, 2010, 2015, 2040 and 2130.)

ECED 2150 Clinical Practicum III (2)
Supervised practicum experience with a minimum of 15 clock hours in seminar and 45 clock hours of approved early childhood practical experiences. This course focuses on the student's demonstration of competencies that produce positive developmental outcomes for young children ages birth to nine. (This course serves as a capstone experience and should be taken in the final semester.)

Economics

ECO 201 Principles of 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.

ECO 202 Principles of 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.

Education

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. (Prerequisites: DSPR 0800 and DSPW 0800 or satisfactory placement scores.)

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. (Prerequisites: DSPR 0800 and DSPW 0800 or satisfactory placement scores.)

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. (Prerequisites: DSPR 0800 and DSPW 0800 or satisfactory placement scores.)

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.

Electronics Technology

EET 120 DC Circuit Analysis (4)
This course addresses the essential topics needed for a fundamental understanding of Direct Current (DC) circuits. Topics include voltage, current, resistance, and power; Ohm's law and Kirchoff's laws; series, parallel and series parallel circuits; network transforms, multisource circuits, and network theorems; and capacitance, inductance, and DC transients. (Corequisite: MATH 1710.) 3 hrs. lecture, 3 hrs. lab.

EET 121 Electronics I (4)
This is the first course in a two-course sequence aimed at the study of electronic devices and circuits. Topics include semiconductor theory, the diode, diode circuits, bipolar junction transistors (BJTs), field-effect transistors (FETs), bias circuits, small-signal amplifiers, and amplifier frequency response. (Prerequisites: EET 120 and 130.) 3 hrs. lecture, 3 hrs. lab.

EET 122 Electronics II (4)
This is the second course in a two-course sequence aimed at the study of electronic devices and circuits. Topics include operational amplifiers and applications, oscillators, linear integrated circuits, power amplifiers, power supplies, and voltage regulation. (Prerequisites: EET 120, 121 and 130.) 3 hrs. lecture, 3 hrs. lab.

EET 130 AC Circuit Analysis (4)
This course addresses the essential topics needed for a fundamental understanding of alternating current (AC) circuits. Topics include AC fundamentals; complex algebra; phasors; series, parallel, and series-parallel AC circuits; filters; resonant circuits; transformers; and polyphase systems. (Prerequisite: EET 120.) (Corequisite: MATH 1720.) 3 hrs. lecture, 3 hrs. lab.

EET 150 National Electrical Code (3)
An introduction to the National Electrical Code. Topics include general wiring; outlets, lighting, appliances, and heating; services and feeders; grounding and bonding; and overcurrent protection. Designed for individuals with little or no knowledge of the code.

EET 180 Digital Logic Fundamentals (3)
An introduction to digital logic as related to digital computers and other digital electronic systems. Topics include number systems, Boolean algebra, logic gates, Karnaugh maps, combinational logic, sequential logic, counters, registers, and integrated circuit logic devices. (Prerequisite: 1 year of high school algebra, or satisfactory ACT or placement test scores, or DSPM 0800.) 2 hrs. lecture, 2 hrs. lab.

EET 214 Principles of Programmable Controllers (3)
A study of Programmable Logic Controllers (PLCs) and their use in programmable industrial process control. Topics include ladder logic diagrams, PLC programming, installation, wiring, and interfacing. (Prerequisites: EET 120, 130 and 231.) 2 hrs. lecture, 2 hrs. lab.

EET 231 Microprocessors (3)
This course is developed around the microprocessor and the peripheral chips necessary for microcomputer operation. Waveforms are studied as well as timing diagrams. Emphasis will be given to machine language and assembly language. Applications to industrial equipment are also addressed. (Prerequisite: EET 180.) 2 hrs. lecture, 2 hrs. lab.

EET 241 Introduction to Telecommunications Technology (3)
This course addresses the essential topics needed for a fundamental understanding of analog and digital communications. Topics include amplitude, frequency, and phase modulation; analog-to-digital and digital-to-analog conversion; pulse code and delta modulation; frequency and phase

shift keying; space, frequency, and time division multiplexing; and fiber optic systems. (Prerequisite: EET 180.) (Corequisite: EET 121.) 2 hrs. lecture, 2 hrs. lab.

EET 242 Telecommunications Systems Analysis (3)
A study of telecommunications systems in common use today. Topics include TV/video and facsimile; the telephone system; the RS-232 interface standard and modems; networks; satellite communications; and cellular telephone systems. (Prerequisite: EET 241.) 2 hrs. lecture, 2 hrs. lab.

EET 251 Industrial Electronics (3)
A study of electronic circuits and systems applicable to the control of industrial machinery and processes. Topics include operational amplifier and linear integrated circuits for industrial application, motors and generators, transducers, control devices, power control circuits, process control, and industrial telemetry and data communication. (Prerequisites: EET 130 and MATH 1710.) (Corequisite: EET 122.) 2 hrs. lecture, 2 hrs. lab.

EET 252 Introduction to Robotics (3)
This course introduces the fundamentals of robotics, including the history, classification, functional components, manipulator configurations, operational characteristics, programming, and applications of industrial robots. An industrial robot is programmed using the industry standard Manufacturing Control Language (MCL) to perform a variety of tasks in the laboratory. Both a teach pendant and a personal computer are used to program the robot. (Prerequisite: EET 231.) 2 hrs. lecture, 2 hrs. lab.

EET 291 Adv. Topics in Electronics Engineering Technology (3)
A study of advanced topics and current developments in electronics engineering technology. (Prerequisite: Sophomore standing or permission of the instructor.)

Emergency Medical Technology

Students must be admitted into the Emergency Medical Technology Program before they can register for EMT courses.

EMT 101 Basic EMT (Institutional Credit) (8)
This is the entry-level course to Emergency Medical Service (EMS) profession. This course provides instruction in the administration of basic life support to the adult, child and infant as set forth by the American Heart Association guidelines. Other areas of instruction include EMT roles and responsibilities, patient assessment, airway management, and medical, trauma, childbirth, pediatric and geriatric emergencies. Students must concurrently enroll in EMT 102 and 105. Upon successful completion of EMT 101, 102 and 105 the student will be eligible to take the State of Tennessee EMT Basic Licensure Examination. (Prerequisite: Regular high school diploma or minimum score of 45 on the GED, eighteen (18) years of age, and satisfactory ACT scores or completion of DSPM 0700, DSPR 0700, and DSPW 0700.) (Corequisites: EMT 102 and 105.) 8 hrs. lecture per week.

EMT 102 Fund. for Basic EMT
The course must be taken and successfully completed in the same semester as EMT 101 for the student to take the State of Tennessee EMT Basic Licensure examination. This course provides instruction in practical skills necessary to provide airway management in adults and children. The course also provides the skills needed to treat the sick or injured adult, child or geriatric patient. Upon successful completion of this course the student will have satisfied one of the eligibility criteria for taking the EMT Basic Licensure examination given by the State of Tennessee Department of Health, Division of Emergency Medical Services. (Corequisites: EMT 101, 105 and 108.) 4 hrs. lab per week.

EMT 105 Basic EMT Clinical Practice (Institutional Credit) (2)
Supervised clinical application of skills developed in EMT 101, 102 and 108. Emphasis on roles and responsibilities of the EMT, patient assessment, basic airway management, initiation of intravenous therapy, communication skills, and treatments used to treat medical emergencies. (Corequisites: EMT 101, 102 and 108.) Minimum of 90 hours per semester.

EMT 108 Basic EMT Intravenous Therapy (IV) (Institutional Credit) (3)
This course provides individuals who seek EMT licensure the knowledge, skills, and competencies consistent with the state of Tennessee EMS regulations. This course content consists of fluid and electrolyte, acid-base balance, dosage calculations, and the principles, types of, and initiation of intravenous therapy. Additional topics include but are not limited to EMS systems, medical legal considerations, patient assessment, and telecommunications. (Corequisites: EMT 101, 102 and 105.) 3 hrs. lecture.

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 108.) Minimum of 48 clinical hours a semester.

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. Students must be admitted into the Paramedic Program before they can register for any 200 level courses.

Students must be admitted into the Paramedic Program before they can register for any 200 level EMT courses.

EMT 210 Paramedic Theories I (5)
This course focuses on anatomy and physiology, the normal pathophysiology of human systems, and how these systems are related during medical emergencies. This course emphasizes the pathophysiologic changes that occur during common medical emergencies and treatment modalities based on these changes. It also includes math applications associated with prehospital pharmacology and medical terminology. (Corequisites: EMT 211, 212, 213 and 214.) 5 hrs. lecture.

EMT 211 Fundamentals of Paramedic Practice I (1)
Study of skills necessary to perform advanced pre-hospital care and practical applications of those advanced skills required to perform safely in the clinical settings. Emphasis on skills needed to treat medical emergencies taught in Paramedic Theories I and Advanced Cardiac Care. (Corequisites: EMT 210, 212, 213 and 214.) 3 hrs. lab per week.

EMT 212 Pre-hospital Emergency Pharmacology (2)
A study of the fundamentals of drug therapy, drug administration, legalities, dosage calculations, and detailed discussion of specific drug actions, indications, contraindications, dosages, routes, and other essential information. The course also discusses specific drug selections for specific medical emergencies. (Corequisites: EMT 210, 211, 213 and 214.) 2 hrs. lecture.

EMT 213 Advanced Cardiac Care (1)
A study of the management of common cardiac emergencies in accordance with American Heart Association (AHA) guidelines and the recognition of stable and unstable dysrhythmias, their hemodynamic effects and the advanced treatment of patients suffering catastrophic cardiac insufficiencies and arrest. (Corequisites: EMT 210, 211, 212 and 214.) 3 hrs. lab per week.

EMT 214 Clinical Practice I (3)
Supervised clinical application of skills developed in EMT 211. Emphasis is on patient assessment and treatment modalities of common medical emergencies. (Corequisites: EMT 210, 211, 212 and 213.)

EMT 215 Paramedic Theories II (5)
This course focuses on anatomy and physiology, the normal pathophysiology of human systems, and how these systems are related during common trauma, behavioral and geriatric emergencies. This course emphasizes the pathophysiologic changes that occur during these emergencies and treatment modalities based on these changes. It also includes math applications associated with prehospital pharmacology and medical terminology. (Prerequisite: EMT 210.) (Corequisites: EMT 216, 217, 218 and 219.) 5 hrs. lecture.

EMT 216 Fundamentals of Paramedic Practice II (1)
Study of skills necessary to perform advanced pre-hospital care and practical applications of those advanced skills required to perform safely in the clinical settings. Emphasis on skills needed to treat trauma, geriatric, pediatric, behavioral and obstetrical emergencies taught in Paramedic Theories II, Pediatric and OB Emergencies, and Advanced Trauma Life support courses. (Prerequisite: EMT 210.) (Corequisites: EMT 215, 217, 218 and 219.) 3 hrs. lab per week.

EMT 217 Pediatric and OB Emergencies (2)
This course focuses on the pediatric medical and trauma emergencies with emphasis on growth and development of the child as it relates to approach and treatment. The course also discusses normal and complicated pregnancies with an emphasis on childbirth and emergencies associated with childbirth in the pre-hospital setting. (Prerequisite: EMT 210.) (Corequisites: 215, 216, 218 and 219.) 2 hrs. lecture.

EMT 218 Advanced Trauma Life Support (1)
This course focuses on the recognition of potential problems related to mechanism and kinetic of injury. This course also includes the management of common traumatic emergencies in accordance with Prehospital Trauma Life Support guidelines. (Prerequisite: EMT 210.) (Corequisites: EMT 215, 216, 217 and 219.) 3 hrs. lab per week.

EMT 219 Clinical Practice II (3)
Supervised clinical application of skills developed in EMT 216. Emphasis is on patient assessment and treatment modalities of common trauma, geriatric, pediatric, behavioral, and obstetrical emergencies. (Prerequisite: EMT 214.) (Corequisites: EMT 215, 216, 217 and 218.) 150 clinical hrs. per semester.

EMT 220 Field Internship (4)
Final one-on-one supervised application of paramedic skills developed in the paramedic courses, with an emphasis on leadership and interpersonal skills. This internship is completed with an Advanced Life Support service. (Prerequisite: EMT 219.) (Corequisite: EMT 221.) 250 practicum/precepted hrs. per semester.

EMT 221 Fundamentals of Paramedic Practice III (4)
This course focuses on the complete assessment and management techniques of medical and trauma emergencies. It also includes treatment modalities, math applications associated with prehospital pharmacology, and medical terminology. Emphasis is on National Registry skills to include IV initiation, medication administration, endotracheal intubation, and all EMT-B and EMT-P skills competencies. It also places emphasis in leadership, interpersonal skills, and critical thinking in the prehospital emergency environment. (Prerequisite: EMT 216.) (Corequisite: EMT 220.) 2 hrs. lecture, 6 hrs. lab per week.

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.

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.

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.

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.

English

ENGL 1010 Composition I (3)
Development of essays by various rhetorical patterns; reading and discussion of selected essays; introduction to basic research and documentation. (Prerequisite: satisfactory ACT or placement test scores.)

ENGL 1020 Composition II (3)
Writing and evaluating argumentative essays; developing awareness of rhetorical techniques used in persuasive writing; applying argumentative techniques in a research paper. (Prerequisite: ENGL 1010.)

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.)

ENGL 2010 Introduction to Literary Genres (3)
Selected readings in world literature, including major literary genres; critical analyses of representative works. (Prerequisite: ENGL 1020.)

ENGL 2020 Major Themes in Literature (3)
Selected readings in world literature with attention to major themes; critical analyses of representative works. (Prerequisite: ENGL 1020.)

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.)

French

FREN 1010 Beginning French I (3)
Essentials of French elementary grammar, pronunciation, conversation, and simple readings. Laboratory required.

FREN 1020 Beginning French II (3)
Continuation of Beginning French I. (Prerequisite: FREN 1010 or permission of the instructor.) Laboratory required.

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.

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.

Geography

GEOG 1010 Physical Geography I (3)
An introduction to the natural features of the earth and their relationship to man. The course concentrates on the solar system, map reading and weather, climate analysis, and the forces shaping the earth's surface, including erosion, volcanism, and diastrophism.

GEOG 1020 Physical Geography II (3)
A detailed analysis of the worldwide crises of overpopulation and the resulting demands on food and environment. A study of earth resources is included. Air, water, waste, and noise pollution are also examined.

GEOG 1210 World Regional Geography I (3)
A survey of the economic, cultural, and physical traits characteristic of developing nations. This course focuses on the geographic problems of Third World nations in Latin America, Africa, and Asia.

GEOG 1220 World Regional Geography II (3)
A survey of the economic, cultural, and physical traits characteristic of industrialized nations. This course focuses on the geographic aspects of North America, Europe, Japan, Australia, and the former Soviet Union republics.

Health

HED 221 Personal Health (2)
A study of personal health problems including communicable diseases, nutrition, degenerative diseases, and fitness.

HED 231 Safety and First Aid (3)
Learners focus 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.

HED 241 Principles of Nutrition (3)
Focuses on the nutritive value and function of food in the body, including personal and family nutritive requirements.

History

HIST 1110 Survey of World Civilization I (3)
Foundations of the modern world from the first civilizations through the seventeenth century. Topics include western and non-western classical civilizations, the Middle Ages, and the age of absolutism.

HIST 1120 Survey of World Civilization II (3)
Major world events from the age of revolution to the present. Topics include the French Revolution, the "ism's" of the nineteenth century, the world wars of the twentieth century, and the world today.

HIST 2010 Survey of American History I (3)
The colonial period, winning independence, constitutional development, physical expansion, growing sectionalism, Civil War and reconstruction.

HIST 2020 Survey of American 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.

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.

Humanities

HUM 1130 Arts and Culture: An Introduction to Humanities (3)
A survey course on Arts and Culture from ancient civilizations to the present with emphasis on the interaction of architecture, art, culture, literature, and daily life. (Prerequisite: 19 English ACT or satisfactory placement test scores.)

HUM 2210 Introduction to Film Studies (3)
The study of world cinema focusing on terminology, analyses and understanding of cinema techniques, world cinema genres, historical periods, and the basics of narrative cinema. Writing and speaking assignments.

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.

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.

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.

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.

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.

INT 134 Machinery Handbook (2)
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.

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.

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.)

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.

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.

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.

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.)

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.

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: DSPM 0800 or satisfactory ACT score and 1 year of high school algebra or satisfactory placement test scores.)

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.

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.

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.)

Marketing

MKT 101 Principles of Marketing (3)
A study of the basic marketing system which includes a survey of the functions, processes, and institutions involved in the marketing of consumer goods and services. The marketing management process, including the selection of target markets and the development of the marketing mix.

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.

Mass Communications

MAS 101 Introduction 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 ACT or placement test scores.)

MAS 102 Introduction to Journalism (3)
Covers the functions of the news media and develops skills in writing news copy. Special emphasis on producing material for various areas of communication. (Prerequisite: satisfactory ACT or placement test scores.)

MAS 103 Media Writing (3)
Theory and practices of writing for print and electronic media according to the techniques, styles, and formats of various media. (Prerequisite: MAS 101 or permission of the instructor.)

MAS 104 Introduction to Broadcasting (3)
General orientation to the field of broadcasting, including the structure, function, social and historical aspects of broadcasting. (Prerequisites: MAS 101 and 103.)

Mathematics

MATH 0900 Elementary Geometry(Institutional Credit) (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.

MATH 1130 College Algebra (3)

A college algebra course containing topics of a review of selected concepts of Intermediate Algebra; solving linear and quadratic equations; properties and graphs of functions; exponential and logarithmic functions and equations; and solving systems of equations. Applications of algebraic concepts will be emphasized throughout the course and various technologies will be integrated into the course. (Prerequisite: 19 Math ACT or other satisfactory placement test scores, or DSPM 0850 with a "C" or better.)

MATH 1410 College Math (3)

A study of the concepts and methods of arithmetic, set theory, number theory, numeration systems, and logic. This course is primarily designed for elementary education majors. (Prerequisite: 19 Math ACT or other satisfactory placement test scores, or DSPM 0850.)

MATH 1420 Concepts of Geometry (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: MATH 1410 and either credit in high school geometry or MATH 0900.)

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. (Prerequisite: 19 Math ACT or other satisfactory placement test scores, or DSPM 0850.)

MATH 1710 Precalculus Algebra (3)

A precalculus course containing a review of selected algebraic topics; properties and graphs of polynomial, rational, and other algebraic functions; properties, functions, and graphs of logarithmic and exponential functions; solving systems of equations and matrices and determinants; conic sections; and mathematical induction, sequences, and series. (Prerequisite: 19 Math ACT or other satisfactory placement test scores, or DSPM 0850.)

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. (Prerequisite: MATH 1710 or MATH 1130 or four years of high school math which includes precalculus and 19 Math ACT.)

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: MATH 1710 or MATH 1130 or four years of high school math which includes precalculus and 19 Math ACT.)

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: MATH 1710 and MATH 1720 or four years of high school mathematics including precalculus and 19 Math ACT.)

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. (Prerequisite: MATH 1910.)

MATH 2110 Calculus and Analytic Geometry III (4)

Three dimensional analytic geometry and vectors, partial derivatives, multiple integrals, vector calculus. (Prerequisite: MATH 1920.)

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. (Prerequisite: MATH 2110.)

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.

MUS 1110 Beginning Theory I (3)

A study of basic materials in music theory, such as notation, rhythms, intervals, scales, triads, and key signatures. Students also receive training in aural skills.

MUS 1120 Beginning 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. Continued instruction in aural skills. (Prerequisite: MUS 1110.)

MUS 1130 Performance Ensemble (2)

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 8 credit hours. (Audition required prior to registration.)

MUS 1410 College Chorus (1)

A vocal ensemble that rehearses and performs choral literature representative of various historical periods and styles. Open to all students. Course may be repeated for a maximum of 4 credits. Meets 3 hours per week.

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 Commercial Entertainment Program.) 1 hr. lecture/lab.

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.

MUS 1610 Class Piano I (2)

Instruction in the rudiments of piano playing including such skills as notereading, basic chord progressions, coordination exercises, pentascales and diatonic scales, and simple keyboard repertoire. Recommended for students with no prior training. Daily practice required. 3 hrs. lecture/lab.

MUS 1620 Class Piano II (2)

Keyboard skills include harmonization of melodies; transposition; sightreading; basic chord progression; scales and arpeggios in both major and minor keys; and more advanced keyboard repertoire. 3 hrs. lecture/lab.

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.

- 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.
- 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.)
- 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.
- MUS 1860 Musical Keyboarding II (1)**
A continuation of MUS 1850 with exercises for development of coordination and technique, transposition, repertory and sight reading.
- MUS 1910 Individual Piano I (1)**
Keyboard instruction. Only offered for music majors. One half-hour lesson per week. Daily practice required. Course may be repeated for a maximum of 2 credits.
- MUS 1920 Individual Piano II (1)**
Continuation of MUS 1910. Only offered for music majors. Course may be repeated for a maximum of 2 credits. (Prerequisite: MUS 1910 or permission of the instructor.)
- MUS 1930 Individual Voice I (1)**
Vocal instruction. Only offered for music majors. One half-hour lesson per week. Daily practice required and jury examination given each semester. Course may be repeated for a maximum of 2 credits.
- MUS 1940 Individual Voice II (1)**
Continuation of MUS 1930. Only offered for music majors. Course may be repeated for a maximum of 2 credits. Prerequisite: MUS 1930 or permission of the instructor.)
- MUS 1950 Individual Guitar I (1)**
Private instruction in guitar beginning at the student's level of proficiency. Only offered for music majors. Course may be repeated for a maximum of 2 credits.
- MUS 1960 Individual Guitar II (1)**
Continuation of MUS 1950. Only offered for music majors. Course may be repeated for a maximum of 2 credits. (Prerequisite: MUS 1950 or permission of the instructor.)
- MUS 2110 Advanced Theory I (3)**
A study of harmony and melody in chromatic styles; Neapolitan and augmented sixth chords; modulation; harmonic and species counterpoint; ninth chords; structural analysis; eleventh and thirteenth chords. (Prerequisite: MUS 1120.)
- MUS 2120 Advanced Theory II (3)**
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; electronic music. (Prerequisite: MUS 2110.)
- 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 division chair of humanities.)
- 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.
- 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.
- MUS 2330 Intro. to MIDI (Musical Instrument Digital Interface) (3)**
Principles of electronic digital sound synthesis, programming the digital synthesizer, use of computer music program, electronic composition and contemporary trends in digital music. (Prerequisite: permission of the instructor.)
- 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. (Prerequisites: MUS 2330. This course is only open to CEN Department majors or permission of instructor.)
- 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. (Prerequisite: MUS 2330.)
- MUS 2910 Individual Piano III (2)**
Keyboard instruction includes repertoire to develop technical and artistic skills. Only offered for music majors. Daily practice required. Jury examinations given each semester. Course may be repeated for a maximum of 4 credits. (Prerequisite: MUS 1920 or permission of the instructor.)
- MUS 2920 Individual Piano IV (2)**
Continuation of MUS 2910. Only offered for music majors. Course may be repeated for a maximum of 4 credits. (Prerequisite: MUS 2910 or permission of the instructor.)
- MUS 2930 Individual Voice III (2)**
Vocal instruction includes repertoire to develop technical and artistic skills. Only offered for music majors. Daily practice required. Jury examinations given each semester. Course may be repeated for a maximum of 4 credits. (Prerequisite: MUS 1940 or permission of the instructor.)
- MUS 2940 Individual Voice IV (2)**
Continuation of MUS 2930. For music majors and minors. Course may be repeated for a maximum of 4 credits.
- MUS 2950 Individual Guitar III (2)**
Private instruction in guitar for the intermediate level student. Only offered for music majors. Course may be repeated for a maximum of 4 credits. (Prerequisite: MUS 1960 or permission of the instructor.)
- MUS 2960 Individual Guitar IV (2)**
Private instruction in guitar for the intermediate level student. Only offered for music majors. Course may be repeated for a maximum of 4 credits. (Prerequisite: MUS 2950 or permission of the instructor.)
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Nursing

Students must be admitted into the Nursing Program before they can register for NUR courses.

NUR 101 ADN Role Transition (3)

This course is designed to serve as an essential component to the nursing program for the student enrolled in the LPN-ADN option B. Included in this course are the concepts of professional roles, basic needs of man, stress adaptation, nursing process, communication, growth and development, management, sociocultural influences, pharmacology, legal and ethical influences, and current trends in nursing practice. 45 hrs. lecture total.

NUR 1115 Nursing I (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 PSY 101.) 5 hrs. lecture per week.

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: Successful completion of BIOL 2010.) (Corequisites: NUR 1115, NUR 121, BIOL 2020 and PSY 101.) 4 hrs. clinical, 2 hrs. campus lab, 2 hrs. practice lab per week.

NUR 1125 Nursing II (5)

This course continues to focus on patients, basic needs with emphasis on the nursing process to establish and maintain a biologically and chemically safe environment. Fluid and electrolytes, psychological concepts and common responses of patients experiencing acute and chronic illness (i.e. Diabetes Insipidus, SIADH, Burns, Cancer) are included. Students are also introduced to alterations in health related to women and Gerontology. All units contain physical and cultural factors that may contribute to the development and treatment of disease processes. In addition, content will focus on basic needs of the childbearing patient and family, with the main focus on nursing interventions utilized during 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: Completion of NUR 1115, NUR 1118, NUR 121, BIOL 2010, BIOL 2020 and PSY 101.) (Corequisites: NUR 1128, NUR 122, BIOL 2230 and PSY 206.) 5 hrs. lecture per week.

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: Successful completion of NUR 1115, NUR 1118, BIOL 2020 and PSY 101.) (Corequisites: NUR 1125, NUR 122, BIOL 2230 and PSY 206.) 6 hrs. clinical per week.

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.

NUR 122 Pharmacology (2)

This is a hybrid Internet course that combines in-the-classroom instruction with computer-based, online learning. This course is not designed to be a self-paced study. 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: NUR 1125 and NUR 1128.) 2 hrs. lecture per week, 30 hrs. total.

NUR 2116 Nursing III (4)

This course introduces the student to nursing care for patients of all ages. The course is divided into two modules. Module A covers alterations in health related to autoimmune disorders, neoplasms, hematopoietic function, and endocrine disorders. Module B covers alterations in gastrointestinal, hepatic, pancreatic, 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 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. Each student must successfully complete both sections in order to pass this course. (Prerequisites: Completion of NUR 1125, NUR 1128, NUR 122, BIOL 2010, BIOL 2020, BIOL 2230 and PSY 206.) (Corequisites: NUR 2117, NUR 2118, and NUR 2187 or NUR 2197.) 4 hrs. lecture per week.

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: Completion of NUR 1125, NUR 1128, NUR 122, all science classes and PSY 206.) (Corequisites: NUR 2116, NUR 2118, and NUR 2187 or NUR 2197.) 2 hrs. lecture per week.

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, neoplasms, endocrine, hepatic, biliary, gastrointestinal, urinary/renal, hematopoietic and gynecological 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: Successful completion of NUR 1125, NUR 1128, BIOL 2230 and PSY 206.) (Corequisites: NUR 2116, NUR 2117, and NUR 2187 or NUR 2197.) 9 hrs. clinical per week.

NUR 2125 Nursing IV**(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: Completion of NUR 2115 and NUR 2118.) (Corequisite: NUR 2128.) 6 hrs. lecture per week.

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, special sensory function, and psychiatric-mental health. 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, mental health facilities and other clinical agencies. Application of management principles to groups of patients is implemented during the semester. (Prerequisites: Successful completion of NUR 2115 and NUR 2118.) (Corequisites: NUR 2125 and NUR 2187 or NUR 2197.) 9 hrs. clinical per week.

NUR 2187 Management of Care Issues I**(2)**

This capstone 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 and psychiatric clinical scenarios. (Prerequisite: NUR 1128.) (Corequisite: NUR 2118 or NUR 2128.) 2 hrs. lecture per week.

NUR 2197 Management of Care Issues II**(2)**

This capstone 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 and pediatric clinical scenarios. (Prerequisite: NUR 1128.) (Corequisite: NUR 2118 or NUR 2128.) 2 hrs. lecture per week.

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, 1125, 121 and 122. Students are required to file an application and will be interviewed and selected for admission.)

Office Administration**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.)

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. (Prerequisite: CIS 109.)

OFA 202 Word Processing Applications**(3)**

Advanced features of word processing software are applied in creating various business documents. Functions such as adding borders, inserting clip art, outlining, exploring the Internet, using line draw, formatting with macros and styles, sorting records, and creating forms are used. Desktop publishing software and concepts are also introduced to create business publications. (Prerequisites: CIS 109 and OFA 103.)

OFA 205 Desktop Publishing**(3)**

This course is a study of publishing techniques used with microcomputers. Design techniques and desktop functions will be discussed and used. Types of desktop documents will be discussed and created. (Prerequisite: CIS 109.)

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.

OFA 242 Medical Transcription**(3)**

Medical documents are transcribed from dictated material with emphasis on productivity and accuracy. (Prerequisites: OFA 240 and CIS 109.)

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.

OFA 246 Legal Transcription**(3)**

Students will transcribe legal documents from voice dictation using computer and transcribers. (Prerequisites: OFA 245 and CIS 109.)

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: OFA 103 or permission of the instructor.)

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 ACT, placement test scores or permission of the instructor.)

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.

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.

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.

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.
- PHED 1110 Tennis I** (1)
Emphasis on basic strokes, movement, rules, terminology and play techniques for the beginner.
- PHED 1120 Tennis II** (1)
Improvement and refinement of strokes and serve. Strategy, tactics, and game procedures for competition. (Prerequisite: PHED 1110 or permission of the instructor.)
- PHED 1210 Physical Conditioning** (1)
Instruction and practice in maintaining personal physical fitness through exercise and aerobic activity.
- PHED 1310 Racquetball** (1)
Instruction and actual practice in the fundamentals of play, essential rules, basic etiquette, and safety for play.
- PHED 1510 Softball** (1)
Provides an overview of fundamental skills (catching, hitting and throwing), rules and safety of the game.
- PHED 1610 Volleyball** (1)
Emphasis on fundamental skills and techniques used in volleyball. Limited tournament play.
- PHED 1710 Badminton** (1)
Emphasis on fundamental skills, basic strategies, rules, and etiquette for play. Exposure to playing tournaments.
- PHED 1810 Soccer** (1)
Introduces basic fundamentals and techniques for play. Little or no experience is necessary.
- PHED 1910 Touch Football** (1)
Development of skills in basic fundamentals and techniques through team play.
- 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.
- 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.
- PHED 2520 Contemporary Dance** (1)
Introduces dances which are currently popular in this country.
- PHED 2610 Archery** (1)
Basic skills (stance, drawing, aiming, releasing) with strategy of shooting. Correct and safe handling of tackle are emphasized.
- PHED 2710 Basketball** (1)
Fundamental skills, rules, and strategies of play.
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Physical Science

- PSCI 1030 Physical Science** (4)
An introductory course on selected topics in chemistry and physics. (Prerequisite: 2 years of high school algebra and satisfactory placement test scores, or DSPM 0850.) 3 hrs. lecture, 2 hrs. lab.
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Physics

- PHYS 2010 Elements of Physics I** (4)
The study of the fundamental laws of mechanics, fluids, sound, and heat. (Prerequisite: MATH 1710, MATH 1130, or permission of the instructor.) 3 hrs. lecture, 3 hrs. lab.
- 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.
- 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.) (Prerequisite: MATH 1830 and Corequisite: MATH 1910, or Prerequisite: MATH 1910.) 3 hrs. lecture, 3 hrs. lab.
- PHYS 2120 Physics II** (4)
The study of electricity and magnetism, waves, optics and modern physics. (Prerequisite: PHYS 2110; Prerequisite or Corequisite: MATH 1920.) 3 hrs. lecture, 3 hrs. lab.
- PHYS 2550 Engineering Statics** (3)
A study of vector algebra, resultants, centroids, equilibrium, moments of inertia, and virtual work. (Corequisite or Prerequisite: MATH 1910.)
- PHYS 2560 Engineering Dynamics** (3)
A study of kinematics, kinetics, Newton's laws, work-energy principle, impulse-momentum principle, vibrations (Corequisite or Prerequisite: MATH 1920.)
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Political Science

- POL 111 Essentials of American Government and Politics** (3)
A study of democratic theory, the Constitution, federalism, free speech, interest groups, political parties, voting behavior, the presidency, Congress and the Supreme Court.
- POL 113 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.
- 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.
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Psychology

- PSY 101 General Psychology I** (3)
An introduction to the basics of psychology including research methods, the biology of behavior, learning, sensation, and perception.
- PSY 102 General Psychology II** (3)
A continuation of PSY 101 including abnormal behavior, therapy, and social psychology.
- PSY 205 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.
- PSY 206 Developmental Psychology: Lifespan** (3)
Psychological and physiological growth and development of the human organism beginning with conception and continuing through aging and death.
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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. Medical terminology will be covered as it applies to the specialty of radiology. Emphasizes nursing procedures and techniques used in the radiology department.

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.

RAD 112 Image Production I (2)

Provides students with the basic principles of formulating radiographic techniques, image production, and exposure. Darkroom procedures include chemistry, processing, and quality control. An introduction to computed radiography is included.

RAD 113 Image Production II (2)

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. (Prerequisite: RAD 112.)

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 7.5 hrs. clinical per week.

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.

RAD 123 Contrast Media Procedures (2)

Anatomy and positioning of the upper and lower gastrointestinal tract, biliary system, and urinary system. Contrast media reactions and cultural diversity are also covered.

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.

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.

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.

RAD 281 Radiation Protection and Radiologic Seminar (2)

An in-depth study of radiation protection and the biological effects of radiation exposure. A re-emphasis of radiation safety for the patient and personnel. Also included is registry preparation through comprehensive reviews.

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.

RAD 292 Advanced Radiation Physics and Radiobiology (2)

An in-depth study of radiation concepts and radiobiology. An overview of special X-ray equipment and mammography will be included. The effects of radiation on the human body will be explored including personnel and patient exposure and the minimization of both.

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.

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.

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.

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 1130 or MATH 1530 or MATH 1710.) 3 hrs. lecture, 3 hrs. lab per week.

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 1130 or MATH 1530 or MATH 1710.)

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.

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.

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.

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. (Prerequisite: RCT 102, 120 and 191.) 24 hrs. supervised clinical experience per week.

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.

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.

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.

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.

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.

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. (Prerequisites: RCT 221, 242 and 293.) 24 hrs. supervised clinical experience per week.

Sociology

SOC 201 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, health care, race, ethnicity, poverty, and gender.

SOC 203 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 SOC 201 prior to taking SOC 203.)

SOC 208 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, health care, schools, criminal justice, substance abuse, and workplace settings.

SOC 210 Cultural Anthropology (3)
Cultural Anthropology is the study of human cultural and biological adaptation and diversity. This course involves a global look at human cultures and across time and space and will introduce students to history, methods, and theories of anthropology. Primary attention will be given to the concept of culture as an analytical tool.

SOC 212 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, and issues concerning stepfamilies.

Spanish

SPAN 1010 Beginning Spanish I (3)
Essentials of Spanish elementary grammar, pronunciation, conversation, and simple readings. Laboratory required.

SPAN 1020 Beginning Spanish II (3)
Continuation of Beginning Spanish I. (Prerequisite: SPAN 1010 or permission of the instructor.) Laboratory required.

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.

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.

Speech

SPT 200 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.

SPT 241 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: satisfactory ACT, placement test scores, or permission of the instructor.)

SPT 280 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.

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. (Prerequisite: satisfactory ACT or placement test scores.)

THEA 1030 Introduction 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.

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.

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: Must meet placement test requirements prior to enrolling.)

Veterinary Technology

Students must be admitted into the Veterinary Technology Program before they can register for VET courses.

VET 102 Animal Anatomy (4)

An introduction to the fundamentals of cellular structure and functions in preparation for a later focus on the organ systems of domestic animal species. 3 hrs. lecture, 3 hrs. lab.

VET 112 Veterinary Technology Orientation I (4)

Introduces the terminology associated with veterinary medicine, the restraint and handling of animals, obtaining a medical history and performing a physical examination, diagnostic sampling, wound healing, basic necropsy techniques, clinical pathology, parasitology, clinical microbiology, diagnostic imaging, and provides an overview of the job responsibilities and ethics most veterinary technicians will face during employment. Lab time includes specimen collection, restraint, an introduction to lab procedures, equipment identification, and administration of medications. 3 hrs. lecture, 2 hrs. lab.

VET 113 Veterinary Technology Orientation II (4)

Introduces more terminology and the acronyms of veterinary medicine, oncology, preventive health programs, neonatal care, animal behavior, companion animal clinical nutrition, concepts in livestock nutrition, animal reproduction, birds, reptiles, and small mammals, zoonoses and public health, euthanasia, client bereavement and the human-animal bond. Lab time will include additional procedures in hematology, urinalysis, and blood chemistry. 3 hrs. lecture, 2 hrs. lab.

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.

VET 192 Clinical Practicum II (5)

Practical experience in veterinary clinics and/or related facilities. 16 hrs. clinical practicum per week.

VET 193 Clinical Practicum III (5)

Practical experience in veterinary clinics and/or related facilities. 16 hrs. clinical practicum per week.

VET 201 Veterinary Lab Procedures I (5)

An introduction to the principles involved in the clinical care of companion and farm animals. Restraint, nursing, and diagnostic procedures with an emphasis on problem solving. Introduction to the problem-oriented medical record. 3 hrs. lecture, 6 hrs. lab.

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. 3 hrs. lecture, 6 hrs. lab.

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. 3 hrs. lecture, 6 hrs. lab.

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.



Employee Directory

Faculty

- ALLRED-WINNETT, CAROLYN (1966)**
Associate Professor of Mathematics
 B.S., Middle Tennessee State University - Mathematics (1964)
 M.A., George Peabody College - Mathematics (1966)
 Ed.S., George Peabody College - Mathematics (1973)
- ANDREWS, WILLIAM XAVIER (1984)**
Professor of History
 B.A., St. Louis University - Political Science (1970)
 M.A., St. Louis University - European History (1971)
 D.A., Middle Tennessee State University - History (1991)
- AUSTIN, MARVIN (1976)**
Division Chair, Humanities and Professor of English
 B.S., Austin Peay State University - English, Mathematics (1967)
 M.A., Austin Peay State University - English (1969)
 Ph.D., University of Tennessee - English (1975)
- BAKER, MARY LOUISE (1993)**
Associate Professor of Developmental 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)**
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
- BAYLESS, H. MONTGOMERY (1966)**
Associate Professor of Biology
 B.S., University of Tennessee, Martin - Biology (1960)
 M.A., George Peabody College - Biology (1964)
- BECK, RICHARD (2006)**
Program Director and Assistant Professor of EMT Paramedic
 B.B.A., Faulkner University - Business Administration (1990)
- BEHRENS, FREDERICK (1966)**
Professor of Art
 B.A., Southern Illinois University - Art (1963)
 M.F.A., Southern Illinois University - Art (1965)
- BENNS, LACEY (2001)**
Assistant Professor of Speech
 A.A., Rendlake College - Liberal Arts (1996)
 B.S., Southern Illinois University - Speech Communications (1998)
 M.S., Southern Illinois University - Speech Communications (2000)
- BLUM, BARBARA (2003)**
Instructor of 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)
- BORREN, TAMMY (1995)**
Associate Professor of Developmental Mathematics
 B.S., Belmont College - Mathematics (1991)
 M.S.T., Middle Tennessee State University - Mathematics (1994)
 M.S., Middle Tennessee State University - Accounting (2004)
- BREW, HOLLY (2004)**
Instructor of Business
 B.A., Central Washington University - Family and Consumer Studies (1997)
 M.B.A., Lipscomb University - General Business (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)
- CAMPBELL, JANE P. (1990)**
Professor of English and Mass Communications
 B.A., University of Tennessee - English (1970)
 M.A., Middle Tennessee State University - English (1982)
 D.A., Middle Tennessee State University - English (1998)
- CARTER-LOWE, MANDY (2000)**
Assistant Professor of Biology
 B.S., Murray State University - Biology and Chemistry (1996)
 M.S., Middle Tennessee State University - Biology (1999)
- COBB, HERBERT (2003)**
Instructor of Art
 B.F.A., University of Tennessee, Knoxville - Studio Art (1991)
 M.F.A., University of Memphis - Art (1995)
- COLEMAN, BRENDA M. (1982)**
Program Director and Associate Professor of Radiologic Technology
 A.A.S., Columbia State Community College - Radiologic Technology (1977)
 R.T.(R), American Registry of Radiologic Technologists (1978)
 B.S., University of Tennessee Center for Health Sciences - Radiologic Technology (1979)
 M.S., Midwestern State University - Radiologic Sciences (1998)
- CONNER, LOUIS M. (1988)**
Director of Athletics and Instructor of Physical Education
 A.S., Columbia State Community College - Health and Physical Education (1971)
 B.S., University of North Alabama - Health and Physical Education (1974)
 M.S.S., United States Sports Academy - Sports Management (1999)
- COOPER, CHERYL (2003)**
Instructor of Nursing
 B.S.N., Murray State University - Nursing (1989)
 M.S.N., Vanderbilt University - Nursing (1994)
- DARRELL, MICHAEL (2004)**
Instructor of Mathematics
 B.S., Middle Tennessee State University - Mathematics (1992)
 M.S., Middle Tennessee State University - Mathematics (2003)
- DENTON, CLYDE M. (1978)**
Assistant Professor of Developmental Studies
 B.A., Bethel College - English (1965)
 M.Ed., Middle Tennessee State University - Guidance and Counseling (1972)
- DOWLEN, SPENCE (2004)**
Instructor of Biology
 B.S., University of Arizona - Nuclear Engineering (1985)
 M.S., Middle Tennessee State University - Biology (2002)
- FACE, LESLIE (2003)**
Instructor of Emergency Medical Technology
 A.A.S., Volunteer State Community College - Emergency Medical Technician/Paramedic (1994)
 B.A., Trevecca Nazarene University - Management and Human Relations (1999)
 M.Ed., Trevecca Nazarene University - Instructional Effectiveness (2001)
- 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)
- FLAGG, AUBREY W. (1971)**
Associate Professor of Geography
 B.S., Austin Peay State University - Geography, History (1968)
 M.S., University of Tennessee - Geography (1971)

- FLEMING, KAE B. (1988)**
Division Chair, Health Sciences and Associate 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 Administration (1998)
- FRAZER, JR., JOE J. (2006)**
Instructor of History
 B.A., Huntsville College - History (1982)
 M.A., Auburn University - European History (1990)
- FREEMAN, CONNIE (2002)**
Assistant Professor of Nursing
 B.S.N., University of Alabama, Huntsville - Nursing (2000)
 M.S.N., University of Alabama, Huntsville - Nursing (2002)
- GANTER, EMILIE (1993)**
Associate Professor of English
 B.A., Cornell University - History (1979)
 M.A., Syracuse University - Creative Writing (1989)
- GARDNER, HOYT (2000)**
Assistant Professor of History and Political Science
 B.A., Kentucky Wesleyan College - Political Science (1969)
 M.A.T., University of Louisville - Social Studies (1992)
 M.A., University of Louisville - Political Science (1993)
 M.A., University of Louisville - History (1996)
- GASKILL, EMILY (2006)**
Instructor 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)**
Assistant Professor of Developmental Reading and Director of Developmental Studies
 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)
- GLENN, SARAH (2006)**
Instructor of Emergency Medical Technology
 EMT-Paramedic Technical Certificate,
 Columbia State Community College (2001)
 B.A., Trevecca Nazarene University - Management and Human Relations (2006)
- GOODPASTURE, DAVID (1983)**
Associate Professor of Computer Information Systems
 A.S., Jackson State Community College - Data Processing (1983)
 B.A., Wichita State University - Journalism (1972)
 M.S., University of Tennessee - HRD Technical Training (1997)
- GRUBB, ROBERT (2006)**
Program Director and Associate Professor of Criminal Justice
 A.A.S., Virginia Western Community College - Administration of Justice (1982)
 B.A., Roanoke College - Criminal Justice (1985)
 M.S., Radford University - Criminal Justice (1990)
 Ph.D., University of Southern Mississippi - Adult Education (1995)
- HARDIN, JEFF (1994)**
Associate Professor of English
 B.S., Austin Peay State University - English (1990)
 M.F.A., University of Alabama, Tuscaloosa - Creative Writing (1993)
- HARDISON, RICHARD (1999)**
Assistant Professor of Developmental Mathematics
 B.S., Tennessee Technological University - Civil Engineering (1989)
 M.A., Tennessee Technological University - Curriculum and Instruction (1994)
- HART, MARILYN (1998)**
Assistant 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)
- 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)**
Clinical Coordinator and Assistant 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)
- HORNER, LINDA (2003)**
Division Chair, Science and Mathematics and Associate Professor of Mathematics
 B.A., Rhodes College - Mathematics (1964)
 M.S., Middle Tennessee State University - Mathematics (1974)
 Ed.S., Florida Atlantic University - Educational Leadership (1996)
 Ed.D., Florida Atlantic University - Educational Leadership (1996)
- HUDNALL, CATHY (1996)**
Program Director and Assistant Professor of Commercial Entertainment
 B.A., Dominican College of SanRafael - Music (1989)
 M.A., Middle Tennessee State University - Music (1998)
- HULSEY, RITA JOAN (2001)**
Assistant 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)
- HUMPHRYS, GENE (2003)**
Assistant Professor of Sociology
 B.S., Middle Tennessee State University - Sociology (1973)
 M.A., Middle Tennessee State University - Sociology (1979)
 M.S., Trevecca Nazarene University - Marriage and Family Therapy (1999)
- JACKSON, De'MARCUS I. (2006)**
Instructor of Psychology
 B.S., Austin Peay State University - Psychology (2001)
 M.S., Capella University - Educational Psychology, Developmental Psychology (2003)
- JOHNSON, ANGELA (1999)**
Assistant Professor of Nursing
 B.S.N., Georgia Southwestern State University - Nursing (1994)
 M.S., Mercer University - Healthcare Policy and Administration (1997)
- JOHNSON, CECELIA H. (1988)**
Division Chair, Social Sciences and Education and Associate Professor of Developmental Studies
 B.S., Austin Peay State University - English (1971)
 M.Ed., Middle Tennessee State University - Guidance and Counseling (1979)
 Ed.S., Middle Tennessee State University - Curriculum and Instruction (1996)
- JOHNSON, DANIEL (2004)**
Instructor of Speech
 B.F.A., University of Southern Mississippi - Theatre (1976)
 M.A., Southwestern Baptist Theological Seminary - Communication (1985)

- JOHNSON, R. DAVID (2000)
Program Director and Assistant Professor of Respiratory Care
A.S., Aquinas Junior College - Respiratory Care (1978)
B.S., Tennessee State University - Respiratory Care (1984)
- KATZ, LOUISE (1992)
Professor of Psychology
B.S., University of the State of New York - Liberal Arts (1990)
M.S., Tennessee State University - Guidance and Counseling (1991)
Ph.D., Tennessee State University - Psychology (1999)
Licensed Psychologist/HSP (Tennessee) (2000)
- 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 Administration (1979)
Ph.D., University of Memphis - Business Administration (1994)
- LAMPLEY, DEARL (1998)
Associate Professor of Agriculture
B.S., University of Tennessee, Knoxville - Agriculture (1979)
M.S., University of Tennessee, Knoxville - Agriculture (1981)
- LEE, MARK (1993)
Assistant Professor of Music
B.M., Florida State University - Music (1983)
M.M., Memphis State University - Music (1986)
- LENIG, STUART (1992)
Associate Professor of Speech 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)
Ph.D., Tulane University - English (2006)
- LOKEY, CAROLYN (2006)
Instructor of Nursing
B.S.N., University of Alabama - Nursing (1999)
M.S.N., University of Alabama, Huntsville - Nursing (2000)
- LONG, BRYAN H. (1982)
Professor of Physics
B.S., Middle Tennessee State University - Mathematics (1973)
M.S., Middle Tennessee State University - Mathematics (1976)
M.A., Fisk University - Physics (1992)
D.A., Middle Tennessee State University - Chemistry (1999)
- LUMPKINS, JULIE (1999)
Associate Professor of English
B.A., University of Tennessee, Martin - English (1995)
M.A., Murray State University - English (1997)
D.A., Middle Tennessee State University - English (2001)
- MAJOR, ROGER (1999)
Clinical Director and Assistant Professor of Respiratory Care
B.A., Oakwood College - Biology (1979)
Certificate in Respiratory, University of South Alabama (1984)
- MANN, SHELLEY (2002)
Assistant Professor of English
B.A., Tennessee State University - English (1998)
M.A., Tennessee State University - English (2000)
- MATLOCK, PHILLIP C. (1984)
Associate Professor of Education and Developmental Studies
A.S., Columbia State Community College - General Transfer (1969)
B.S., Belmont College - Elementary Education (1972)
M.Ed., Middle Tennessee State University - Reading (1978)
- MCCORD-ACKLIN, CHERYL (1989)
Assistant Professor of Psychology
B.A., Spellman College - Psychology (1979)
M.A., Fisk-Meharry University - Psychology (1982)
- McCOY, MEREDETH (1993)
Instructor of Developmental Mathematics
B.S., Oakwood College - Mathematics (1991)
- MEREDITH, ANETTIA L. (1986)
Associate Professor of Nursing
Diploma, Baptist Memorial School of Nursing - Nursing (1970)
B.S.N., University of Alabama, Huntsville - Nursing (1982)
M.S.N., University of Alabama, Huntsville - Nursing (1989)
F.N.P., University of Alabama, Huntsville (1995)
- MITCHELL, ANDREA (2004)
Instructor of History
B.A., Tennessee State University - History (1997)
M.Ed., Tennessee State University - Curriculum and Instruction (2003)
- MITCHELL, BEVERLY (1990)
Associate Professor of English
B.A., Hendrix College - Languages (1976)
M.F.A., University of Arkansas - Literary Translation (1982)
- MUGLER, JOHN L. (2006)
Instructor of Computer Information Systems
B.S., Western Kentucky University - Business Management (1990)
M.S., Middle Tennessee State University - Computer Science (2001)
- MURPHY, EDWARD C. (1967)
Associate Professor of Biology
B.A., David Lipscomb College - Biology (1963)
M.A., George Peabody College - Biology (1966)
Ed.S., George Peabody College - Biology (1970)
- NADDY, B.I. (1967)
Professor of Chemistry
B.S., American University of Beirut - Agricultural Sciences (1957)
M.S., Kansas State University - Soil Chemistry (1960)
Ph.D., Kansas State University - Soil Chemistry (1963)
- NIMTZ, JAMES E. (2006)
Instructor of Health and Physical Education
B.A., Kent State University - Speech (1987)
M.Ed., Bowling Green State University - Health, Physical Education and Recreation (1990)
- PAINTER, JAMES C. (1970)
Assistant Professor of Physical Education
B.S., Middle Tennessee State University - Health & Physical Education (1962)
M.A., Middle Tennessee State University - Guidance and Counseling (1963)
- PERLEY, SANDRA W. (1993)
Associate Professor of Nursing
A.A.S., Columbia State Community College - Medical Laboratory Technology (1980)
M.S.N., Vanderbilt University - Nursing (1991)
C.S., American Nursing Credentialing Center - Medical Surgical Nursing (1997)
- PETERSEN, ANN (1982)
Associate Professor of Mathematics
B.A., University of Mississippi - Mathematics (1964)
M.A., University of Mississippi - Mathematics (1968)
- PEWITT, LAURIE (2004)
Instructor of Computer Information Systems
B.S., Middle Tennessee State University - Information Systems (2000)
M.S., Middle Tennessee State University - Accounting Information Systems (2002)

ROBERTSON, DIANE H. (1987)

Associate Professor of Reading
A.S., Columbia State Community College - English (1983)
B.S., Middle Tennessee State University - English (1984)
M.Ed., Peabody College of Vanderbilt University - Reading (1985)

RUSSELL, SUSAN M. (1992)

Associate Professor of Nursing
B.S.N., Indiana University - Nursing (1979)
M.S.N., University of Illinois - Psychiatric Nursing (1982)

SANDERS, JUDY (2004)

Instructor of Nursing
A.S., Columbia State Community College - Liberal Arts (1975)
A.A.S., Columbia State Community College - Nursing (1981)
B.S., Middle Tennessee State University - Psychology (1991)
B.S.N., Middle Tennessee State University - Nursing (1994)
M.S.N., University of Alabama - Nursing (1998)

SANTEE, KIM (2005)

Instructor of Biology
B.S., Biology - Austin Peay State University (1998)
M.A.T., Belmont University - Secondary Education (2004)

SASSER, ANEALIA (2006)

Assistant Professor of Office Administration
B.S., Tusculum College - Applied Organizational Management (1989)
M.B.A., Middle Tennessee State University - Business Administration (1996)
E.D.S., Middle Tennessee State University - Education (1998)
D.A., Middle Tennessee State University - Economics (2004)

SEAGER, SUSAN (2004)

Program Director and Associate Professor of Nursing
Diploma, East Tennessee Baptist Hospital - Nursing (1965)
B.S., Belmont College - Psychology and Sociology (1972)
M.S.N., Vanderbilt University - Nursing (1974)
Ed.D., Vanderbilt University-Peabody College - Higher Education Administration (1990)

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)

Division Chair, Business and Technology and Associate 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)

SISKA, KAREN A. (1978)

Professor of Education
B.A., David Lipscomb College - Speech (1972)
M.Ed., Middle Tennessee State University - Guidance and Counseling (1973)
Ph.D., Peabody College of Vanderbilt University - Higher Education Administration (1984)
N.C.C., National Board for Certified Counselors (1983)

SMITH, JAMES (1998)

Associate Professor of Developmental 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., 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.S., Tennessee State University - English (1996)

STROPES, STEPHEN L. (1983)

Professor of Biology
B.S., San Diego State University - Biology (1969)
M.S., San Diego State University - Biology (1971)
Ph.D., University of Arizona - Zoology (1975)

TALELE, CHAITRAM J. (1967)

Professor of Economics
B.A., University of Poona, India - Economics (1960)
M.A., University of Poona, India - Economics (1962)
M.S., University of Wisconsin - Economics (1968)
Ph.D., University of Tennessee - Economics (1981)

WANAMAKER, BOYCE (1977)

Program Director and Professor of Veterinary Technology
B.S., University of Tennessee - Animal Husbandry (1970)
M.S., University of Tennessee - Animal Husbandry (1971)
D.V.M., Auburn University - Veterinary Medicine (1975)

WARNER, CANDACE (2003)

Instructor of Sociology
B.A., Mississippi University for Women - Music Commercial (1999)
M.S., Valdosta State University - Sociology (2001)

WARREN, MARIAN (2000)

Program Director and Assistant Professor of Early Childhood Development
B.S., Drake University - Education (1970)
M.S., Pacific University - Education (1972)
E.C.H. Certification, Western Illinois University (1994)

WHITLEY, JANICE E. (1986)

Associate Professor of Biology
B.S., Middle Tennessee State University - Biology (1969)
M.A., George Peabody College - Biology (1972)

WILLIFORD, SUSAN W. (1984)

Associate Professor of Mathematics
B.S., University of Tennessee, Martin - Mathematics Education (1974)
M.A.T., Murray State University - Mathematics (1980)

WOOD, GREG (1992)

Associate Professor of English
B.A., Tennessee Temple University - English (1980)
M.A., Middle Tennessee State University - English (1985)

YOUNG, JAMES (1992)

Assistant Professor of Nursing
A.S., University of Tennessee - Nursing (1975)
B.S., Canisius College - Biology (1959)
M.S., Fordham University - Biology (1962)
Ph.D., University of Rochester - Anatomy (1968)

Presidents Emeriti

Harold S. Pryor, February 1968 - September 1984

L. Paul Sands, October 1984 - November 1996

Professional Staff**BASS, NANCY (1993)**

Interim Coordinator, Student Services

BAYLESS, CAROLYN (1974)

Librarian I, Library

BECK, RON (2004)

Director, Economic and Community Development

BELEW, LINDA MATTHEWS (1987)

Academic Advisor, Academic Success Center

- BELLAFANT, TIFFANY (2005)
Director, Student Life
- BOLINGER, KENNETH (2001)
Coordinator of Theater and Media Services, Planning and Development
- BOWEN, SHARON JOYCE (1981)
Director, Records and Registration
- BRADLEY, JOAN (1988)
Computer Programmer Analyst, Information Technology
- BREEDEN, KATHY (2000)
Director, Library
- BREWER, DORIS J. (1991)
Payroll Supervisor/Accountant I, Business Services
- BULLOCK, CHIQUITA (1989)
Lead Academic Advisor, Academic Success Center
- BURNS, PAULETTA (2006)
Assistant Director, Financial Aid
- COMBS, DIANA LEE (1992)
Counselor, Student Development
- CURTIS, BARBARA ELAINE (1975)
Business Manager, Business Services
- DODDRIDGE, JOHN W. (1991)
Director, Student Development
- EANES, DELORES J. (1995)
Director, Human Resources
- EGOLF, JACKLYN (2003)
Librarian I, Library
- ELLIOTT, JEFFREY M. (2006)
Director, Academic Success Center
- FLEMING, BRENT (2004)
Database Administrator
- GARDNER, ELLEN (2002)
Laboratory Technician, Nursing
- GERGES, MARILIA (1992)
Director, University Center
- GROOMS, JERRI (1984)
Coordinator of Purchasing /Financial Analyst
- HALL, LAUREN F. (1986)
Assistant Business Manager, Business Services
- HARLAN, PATRICIA W. (1982)
Coordinator, Testing Services
- HAWKINS, O. REBECCA (1996)
President
- HOLT, RUTH ANN (1993)
Director, Lawrence County Center
- HORNER, KENNETH R. (1977)
Vice President, Financial and Administrative Services
- JENNINGS, PAUL H. (1998)
Vice President, Planning and Development
- JOHNSON, GINA (2001)
Academic Advisor, Student Academic Support Center
- KELSEY, ELAINE (2003)
Director, Development and Alumni Relations
- KIRBY, MARY H. (1978)
Technician, Veterinary Technology
- KOUADIO, DIBY (2001)
Director, Institutional Research and Analysis
- LENIG, JONI (1987)
Assistant Vice President for Faculty and Programs
- LOCKRIDGE, NICOLE (2004)
Enrollment Specialist/Women's Basketball Coach
- LONG, DEBBIE (2006)
Analyst, Human Resources
- LUTTRELL, KAY G. (1987)
Computer Programmer Analyst, Information Technology
- MARTIN, CHRISTA F. (1979)
Assistant to the President for Minority Affairs
- MASSEY, KATHY (1999)
Technician, Veterinary Technology
- McCORMICK, SONJA (1993)
Assistant Director, Records and Registration
- McDONALD, CATHRYN A. (1997)
Vice President, Academic Services
- McDOW, ELIZABETH (1987)
Director, Lewisburg Site
- McEWEN II, WILLIAM (1989)
Training Specialist, Economic and Community Development
- MEADE, ELLEN B. (1986)
Network Systems Analyst, Information Technology
- MILLIGAN, STEPHEN (1997)
Director, Clifton Site
- MONTGOMERY, MALCOLM (2005)
Men's Basketball Coach
- NEALE, JAMES P. (1997)
Director, Facility Services
- OGDEN, WILLIAM DAVID (1990)
Director, Admissions and Financial Aid
- OPALEWSKI, DAN A. (1999)
Vice President, Student Services and Enrollment Management
- PETTY-WARD, PAULA (1992)
Coordinator, Student Success Counseling
- PIEPER, KEVIN R. (2006)
Web Designer and Manager, Marketing and Public Relations
- RAMSEY, NANCY (2000)
Director, Grants Planning and Management

- SCOTT, ANNE (2005)
Librarian I, Library
- SHEPARD, MOLLY P. (2004)
Coordinator, Tech Prep
- SHULER, MIKE (1995)
Dean, Williamson County Center and Extended Campuses and Programs
- SICIENSKY, EMILY (2004)
Associate Vice President, Information Technology
- STONE, BARBARA LOIS (2003)
Assistant to the Dean of the Williamson County Center and Extended Campuses and Programs
- STORY, KASEE (2005)
Coordinator, Disability Services and Wellness
- TRYBALSKI, ROBERT (2003)
Coordinator, Instructional Technology Support Services
- TURCHETTA, TOM (2006)
Director of Annual Giving, Development and Alumni Relations
- WALKER, RALPH (1992)
Director, Williamson County Center
- WALTERS, BILLY (1992)
Director, Academic Support Services and Distance Education
- WATSON, ANGELA (2006)
Coordinator, Student Information Center
- WINTERS, GLENNA (2000)
Instructional Technology Specialist, Academic Support Services
- WINTERS, TOM (2000)
Network Administrator, Information Technology
- Support Staff**
- ALEXANDER, WILLIAM (2000)
Security Guard I, Facility Services
- ANDERSON, MARGARET W. (1995)
Secretary II, Library
- ARMSTRONG, DEBORAH (1987)
Secretary II, Records and Registration
- BAGGETT, DEBORAH (2001)
Custodian, Facility Services
- BERRY, RORY (2004)
Library Assistant III, Library
- BOBO, EUGENIA (1995)
Secretary II, University Center
- BOOKER, CHARLES A. (1992)
Custodial Lead Worker, Williamson County Center
- BOSHERS, LINDA (1988)
Secretary II, Social Sciences and Education Division
- BOWMAN, PATRICIA (1974)
Secretary II, Health Sciences Division
- BROWN, WILLIAM LARRY (1998)
Custodial Lead Worker, Clifton Site
- BULLOCK, WARNELLA (1994)
Account Clerk III, Purchasing
- CARDIN, JOE THOMAS (2006)
Maintenance Mechanic, Facility Services
- CATHEY, LAURA A. (1988)
Secretary III, Economic and Community Development
- COOMES, JR., WAYNE ARTHUR (2006)
Library Assistant III, Library
- COOPER, DAVID (2006)
Maintenance Mechanic, Facility Services
- COTHRON, SUSAN (1973)
Account Clerk II, Accounts Payable
- CRAWFORD, JACKIE (2006)
Secretary II, Nursing
- DERRYBERRY, LIVIA (1980)
Secretary II, Academic Support Services and Distance Education
- ESTES, DEBBORAH (2004)
Custodian, Facility Services
- FRALIX, SARA K. (1968)
Executive Assistant to the President
- GALLOWAY, RON (1996)
Computer Lab Technician, Information Technology
- GREEN, JOANNE (1995)
Learning Center Specialist, Lawrence County Center
- GUM, KATHRYN (2000)
Secretary II, Counseling and Testing
- GWIN, KELLIE (2000)
Financial Aid Assistant, Financial Assistance
- HAGGARD, CHAD (2006)
Account Clerk II, Business Services
- HALTER, JAYNE (2005)
Admissions and Records Clerk, Admissions and Recruitment
- HARDY, NANCY (1999)
Secretary II, Humanities Division and Developmental Studies
- HARPER, SHIRLEY (1999)
Secretary II, Williamson County Center
- HAYES, LILLIAN (1989)
Custodial Lead Worker, Lawrence County Center
- HEIDLEBAUGH, DEBRA (2002)
Records Clerk, Health Sciences Division
- HICKMAN, PAT L. (1998)
Security Guard I, Facility Services
- HILL, JOHN (2005)
Security Guard I, Facility Services
- HOBBY, PEGGY (2005)
Custodian, Facility Services
- HUMPHREY, JAMES (1998)
Maintenance Utility Worker, Facility Services
- JAMES, PAMELA (1999)
Learning Center Specialist, Clifton Site
- JOHNSON, MELISSA (2003)
Information System Records Clerk, Information Technology

- JONES, R. DIANE (1993)
Administrative Secretary, Student Services
- KEETON, CRYSTAL (2005)
Secretary III, Development and Alumni Relations
- KEETON, PATRICIA (2001)
Custodian, Facility Services
- KEETON, RITA (2005)
Secretary II, Financial Assistance
- KELLMAN, PENELOPE (2003)
Secretary II, Human Resources
- KENDALL, RACHEL S. (2006)
Account Clerk II, Business Services
- MARSTON, MELANIE LYNNE (2006)
Payroll Clerk, Business Services
- MARSTON, STEWART (2005)
Media Technician, Instructional Technology Support Services
- MAXWELL, LAUREN (2003)
Account Clerk II/Lead Cashier, Business Services
- McCLAIN, FRED A. (1993)
Secretary II, Science and Mathematics Division
- McGREW, M. HELEN (1994)
Maintenance Mechanic, Facility Services
- McLUEN, MARY (2003)
Learning Center Specialist, Williamson County Center
- MENCER, DELORESE (1991)
Learning Center Specialist, Lewisburg Site
- MITCHELL, WALTER (1993)
Personnel Records Supervisor, Human Resources
- MOORE, RODNEY (2004)
Custodian, Facility Services
- MOORE, WANDA K. (1980)
Lead Worker, Records and Registration
- NEAL, YOLANDA C. (1997)
Evening Academic Support Specialist I, Student Academic Success Center
- NELSON, MICHELLE (2005)
Testing Technician I, Testing Services
- NOLAN, JAMES W. (2001)
Security Guard Supervisor, Facility Services
- NOLAN, JOHN (1995)
Custodial Lead Worker, Facility Services
- POLK, RICKY (1989)
Custodian, Facility Services
- RAY, REGINA (2000)
Account Clerk III, Business Services
- RICHARDS, ANITA KAYE (2007)
Student Academic Support Specialist II, Student Academic Support Center
- RUNNELS, CINDY (1997)
Admissions Lead Worker, Admissions and Recruitment
- SANTANA, WILLIAM (1987)
Grounds Foreman, Facility Services
- SCOTT, DEBBIE (1999)
Stock Clerk II, Facility Services
- SCOTT, RUBY R. (1997)
Secretary II, Tech Prep Program and Secretary I, Humanities Division
- SEALY-MOSLEY, BONNIE SUE (1981)
Custodian, Facility Services
- SHOUSE, JIMMY P. (1973)
Maintenance Lead Worker, Facility Services
- SKINNER, DOUGLAS (1988)
Custodian, Facility Services
- SLAUGHTER, WILLIAM (1999)
Security Guard I, Facility Services
- SPARKMAN, FRANK (1991)
Grounds Worker I, Facility Services
- SPENCER, BARBARA (1993)
Secretary II, Economic and Community Development
- STINNETT, KELLY (1992)
Secretary III, Assistant Vice President's Office
- SZOSTAK, JR., JOSEPH (1998)
Grounds Worker I, Facility Services
- THURSTON, SANDRA (1998)
Administrative Assistant, Planning and Development
- TKACZYK, HOLLY (2006)
Library Assistant II, Library
- TOMLIN, LLOYD (1999)
Computer Lab Technician, Information Technology
- VENTURI-COLE, CRYSTAL (1997)
Public Relations Specialist, Marketing and Public Relations
- WATTS, BILLIE H. (1975)
Secretary II, Business and Technology Division
- WEBB, MELANIE (1991)
Financial Aid Assistant, Financial Assistance
- WESTMORELAND, MAX (2002)
Mail Courier, Facility Services
- WORKMAN, NIETA (2000)
Custodian, Facility Services
- YATES, BETTY (1988)
Administrative Secretary, Academic Services

Columbia State 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.

To help meet the scholarship and financial needs of its students, the Columbia State Foundation was organized in March of 1971 as a non-profit corporation. Its purposes, as specified in the charter are "to receive, hold, care for, invest, use, and distribute income for the promotion of educational activities at Columbia State." Since its beginning, the Foundation has provided over \$8 million dollars in additional funds for scholarships and special needs at Columbia State.

Mission

The Columbia State Foundation encourages alumni, friends, economic partners and others to invest their time and resources toward the improvement of education at Columbia State and to making higher education accessible to students in the College's service area

2006-2007 Executive Committee

Ms. Sydney McClain Chair
 Mr. Jim Webb Vice Chair
 Mr. Kenneth R. Horner, ex-officio Treasurer
 Ms. Elaine Kelsey, ex-officio Secretary
 Dr. Rebecca Hawkins, ex-officio
 Dr. Ken Moore Development Committee Chair
 Mr. Tim Pettus Trustees Committee Chair
 Rev. Bill Williamson Community Relations/Grants Committee
 Mr. Jim Webb Investment Committee Chair
 Mr. Doug Venable Trustees Committee Vice-Chair
 Mr. Barry White Development Committee Vice-Chair
 Mr. Fred White Investment Committee Vice-Chair
 Mr. Jim York
 Mr. Waymon Hickman Major Gifts Campaign Chair

Foundation Board

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Darlene Baxter	Dearl Lampley
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Victor Beck, Jr., DDS	Bill Marbet
Linda Boshers	Ben McKnight
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Bruce Cotton	Richard Perry
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Ronnie Erwin, Ph.D.	Lonnie Roberts
Elizabeth Eubanks	Mary Ann Roberts
Jennifer Graham	Danny Rochelle
Ronald Griffeth, Ed.D.	Bonnie Rodgers
Richard Herrington	Karen Sinclair
Pitts Hinson, DDS	John Tomlinson
Jay Johnson	Con Vrailas
Sam Kennedy	Bill Walter

Columbia State Alumni Association

The Columbia State Community College Alumni Association is an active group of alumni who represent the various programs offered by the College. The Alumni Association is responsible for selecting and honoring The Outstanding Alumnus of the Year; distributing scholarship funds and hosting one to two fund raisers each year to support their scholarship program. For information about the Alumni Association contact Elaine Kelsey, Director of Development and Alumni Relations, (931) 540-2514.

Mission of the Alumni Association

The objectives of this organization shall be to provide a formal communications link between the College and its alumni and friends, to provide a means for mutual support, and to promote fellowship and the general educational goals of the College.

Officers of the Alumni Association

Bonnie Rodgers, President
 Gayle Mathis, Immediate Past President
 Mary Murphy, Secretary
 Beth Sims
 Bonita Kimbrell
 Brent Allred
 Helen Hickman
 Libby Moss
 Lynne Williams
 Nancy Morehead
 Phillip Tatum
 Tiffany Brown

Advisory Committees and Clinical Instructors

Advisory Committees

Business Information Technology

J. Douglas Turner, Maury Regional Hospital
 Jeff Franks, NetTech
 Terry Pope, Local Government Data Processing Corporation
 John Boutwell, Teledyne
 Bruce Beckman, Randstadt
 Sandy Calvert, SPI-Cymed
 Lynn Moriarity, Jack C. Massey Foundation

Business Management

Tony Beyer, Entrepreneur
 Donna Clarkin, Medvance
 John Copeland, Crockett Hospital
 Mike Delk, Tennessee Farm Bureau
 Jeanine Denney, Heritage Trust Bank
 John Hatfield, Economic and Community Development
 Courtney Rudy, SunTrust Bank

Commercial Entertainment

David Kenyon, TBA Entertainment
 Tom Lawrence, WAKM Radio
 Tom McBryde, Dollywood
 Mary Mills, County Commissioner
 Ron Shuff, Shuff's Music Store

Criminal Justice

Bruce Bateman, Williamson County Sheriff's Department, Franklin
 Mike Bottoms, District Attorney, Lawrenceburg
 Barry Crotzer, Chief of Police, Columbia
 William Dorning, Sheriff, Lawrenceburg
 Enoch George, Sheriff, Columbia
 Les Helton, Sheriff, Lewisburg
 Roger Livengood, Chief of Police, Centerville
 Michael Maddox, Hickman County High School, Centerville
 Reggie Pope, Chief of Police, Spring Hill
 John Reynolds, Chief of Police, Pulaski
 Linda Rochell, Corrections Corporation of America, Clifton
 Robert Rhoades, Williamson County Sheriff's Department, Franklin
 Terry R. Shay, Chief of Police, Lawrenceburg
 Steve Walling, Brentwood Police, Brentwood
 Randall Ward, Sheriff, Centerville
 Ricky Watson, Chief of Police, Brentwood

Early Childhood Education

Angie Cathey, Early Childhood Careers, Franklin
 Terry Ann Hull, Tennessee State University, Nashville
 Janie Kelley, Hospi-Tots, Columbia
 Helen Lowe, South Central Head Start, Fayetteville
 Mary Lou Ott, Technical Assistance Resource Center, Fayetteville
 Johnnie Shapiro, D.H.S. Child Care Services, Columbia
 Debbie Simpson, T.E.C.T.A., Murfreesboro
 Angie Sims, Tennessee Technology Center Childcare, Hohenwald

Emergency Medical Technology - Paramedic

Jimmy Adams, Director, Marshall County Emergency Medical Services
 Terry Cloud, Director, Hickman County Ambulance Service
 Larry Glass, Director, Lawrence Co. Ambulance Service
 Steve Manley, Director, Dickson County Ambulance Service
 Mike Nunley, Director, Rutherford County Emergency Medical Services
 Bill Petty, EMS Consultant, South Central Regional Health Office
 Bill Sewell, EMS Consultant, Mid-Cumberland Regional Health Office
 D'Lynn West, RN, Middle Tennessee Medical Center
 Gretta Woodall, RN, Southern Hills Medical Center, Department of Emergency

Horticulture

Bill Hewitt, Hewitt Garden and Design Center, Franklin
 Joe Kennedy, Legends Club, Franklin
 Bill Marbet, Southern Athletic Field, Columbia
 Bill Randles, Vanderbilt University, Nashville
 Al Ray, Maury County Parks, Columbia
 Stan Tinin, Lawrence County High School, Lawrenceburg
 John Tomlinson, The Outsiders Landscaping, Columbia
 Randy Whitworth, Henry Horton State Park, Chapel Hill

Nursing

Ginny Austin, Assistant Administrator, Maury Regional Hospital
 Sharon Braly, Director of Nursing, NHC-Franklin
 Kay Casteel, Director of Nursing, Wayne Medical Center
 Debbie Cogswell, Director of Nursing Education, Baptist Hospital
 Jamie Davis, Assistant Administrator, Nursing, Maury Regional Hospital
 Shirley Derryberry, Director of Nursing, NHC-Lewisburg
 Debbie Harding, Regional Nursing Director, Tennessee Department of Health-South Central Region
 Candace Johnson, Chief Nursing Officer, Crockett Hospital
 Debbie Murdic, Vice President for Nursing, Williamson Medical Center
 Helen Smith, Inservice Coordinator, Crockett Hospital
 Nanette Todd, Director of Nursing, Marshall Medical Center
 Debra Wollaber, Dean, College of Health Sciences and School of Nursing, Belmont University

Radiologic Technology

Franklin Cole, R.T.(R)(CT), Wayne Medical Center, Waynesboro
 Pat O. Coleman, B.S., R.T.(R), Maury Regional Hospital, Columbia
 Dawn Foster, RN, Maury Regional Hospital, Columbia
 John Henderson, R.T.(R), Horizon Medical Center, Dickson
 Mike Johnson, R.T.(R), Horizon Medical Center, Dickson
 Kelly King, R.T.(R), Marshall Medical Center, Lewisburg
 Lori Mizer, M.S., Badcock Home Furniture and More, Columbia
 Carrie Belew Perry, R.T.(R), Crockett Hospital, Lawrenceburg
 Sarah Pierce, B.S., R.T.(R) RDMS, RVT, Hillside Hospital, Pulaski
 Gary T. Podgorski, M.D., Maury Regional Hospital, Columbia
 Joey Riddle, R.T.(R), Maury Regional Hospital, Columbia, Committee Chair
 Karla Roman, R.T.(R), The Bone and Joint Clinic, Franklin
 William Sutter, M.D., Maury Regional Hospital, Columbia
 Kristy Watkins, R.T.(R)(M), Bedford County Medical Center, Shelbyville
 Gwen Wright, R.T.(R), Middle Tennessee Bone and Joint Clinic, Columbia
 Radiologic Technology Sophomore Class Rep., Columbia State
 Radiologic Technology Freshman Class Rep., Columbia State

Respiratory Care

Don Adair, R.R.T., Vanderbilt Univ. Medical Center
 Anna Ambrose, R.R.T., Vanderbilt University Medical Center
 Lynn Burns, R.R.T., Crockett Hospital
 Erik J. Iversen, M.D., Columbia
 Phyllis McElroy, R.R.T., St. Thomas Hospital
 Ann Morphis, R.R.T., Maury Regional Hospital
 Respiratory Care Freshman Class Representative,
 Columbia State Community College
 Respiratory Care Sophomore Class Representative,
 Columbia State Community College

Tech Prep

Nancy Aldridge, Marshall County Schools
 Jackie Baggett, Williamson County Schools, Committee Chair
 Mattie Bledsoe, Tennessee Technology Center-Pulaski
 Pat Couch, Lewis County Board of Education
 Beverly Hall, Wayne County Schools
 Susan Chapman, Maury County Schools
 Bill Davis, Giles County Schools
 Shay Doerflinger, Lawrence County Schools
 O. Rebecca Hawkins, Columbia State Community College
 Eddie Hickman, Maury County Schools
 Dani Johnson, Lawrence County Schools
 Kelli Kea-Carroll, Tennessee Technology Center-Hohenwald
 Alice Landrum, Lewis County Schools
 Jan McKeel, South Central Tennessee Workforce Board
 Jack Ochs, Maury County Schools
 Molly Shepard (ex officio), Columbia State Community College
 Mike Shuler, Columbia State Community College
 John Townsend, State Office of Tech Prep

Veterinary Technology

Deanna Bayless, LVMT, Ardmore, Tennessee
 Betsy Cooper, Merial Company
 Dr. Warren Gill, University of Tennessee Extension Service
 Phillip Gordon, DVM, Tennessee Department of Agriculture
 Fred Hopkins, DVM, University of Tennessee College of Veterinary Medicine
 Julius Johnson, CAO, Tennessee Farm Bureau Federation
 Renee Krunich, Student Member
 Steve Ladd, DVM, Hillsboro Animal Hospital
 Herbert McCollum, DVM, Priest Lake Veterinary Hospital
 Amy Nunally, LVMT, Vanderbilt University
 Dr. Dennis Onks, Middle Tennessee Agricultural Research
 and Educational Center
 Ray Wakefield, DVM, Lewisburg, Tennessee
 Carolyn Whitsett, LVMT, Meharry Medical College

Clinical Instructors

Radiologic Technology

Amy Allen, R.T.(R), Middle Tennessee Bone and Joint Clinic
 Jaimie Anderson, R.T.(R), Maury Regional Hospital
 Amy M. Branch, R.T.(R), Horizon Medical Center
 Larry Buchanan, R.T.(R)(CT), Maury Regional Hospital
 Franklin Cole, R.T.(R)(CT), Wayne Medical Center
 Denny Edney, R.T.(R), Horizon Medical Center
 Tabatha Emerson, R.T.(R), Maury Regional Hospital
 Allen Ferguson, R.T.(R), Maury Regional Hospital
 Candy Giles, R.T.(R), Maury Regional Hospital
 Trint Hagan, R.T.(R), Crockett Hospital
 Tara Hammond, R.T.(R), Crockett Hospital
 John Henderson, R.T.(R), Columbia Horizon Medical Center
 Amanda Hendrix, R.T.(R), Hillside Hospital
 Robin Hensley, R.T.(R), Maury Regional Hospital
 Tina Holt, R.T.(R)(T), Crockett Hospital
 Cheryl S. Jaco, R.T.(R)(CT), Horizon Medical Center
 Fleecy Martin Johnson, R.T.(R), Hillside Hospital
 Kelly King, R.T.(R), Marshall Medical Center
 John Kirk, R.T.(R)(CT), Maury Regional Hospital and Horizon Medical Center
 Angie G. Levi, R.T.(R)(MR), Marshall Medical Center
 Beth Methvin, R.T.(R), Marshall Medical Center
 Gail F. Owens, R.T.(R), The Bone and Joint Clinic
 Carrie Belew Perry, R.T.(R), Crockett Hospital
 Sarah Pierce, B.S., R.T.(R) ARDMS, RVT, Hillside Hospital
 Tonya Prater, R.T.(R), Crockett Hospital
 Joey Riddle, R.T.(R), Maury Regional Hospital
 Karla Roman, R.T.(R), The Bone and Joint Clinic
 Carlotta Solomon, R.T.(R), Hillside Hospital
 Christy Thompson, R.T.(R)(M), Wayne Medical Center
 Shannon Walker, R.T.(R), Bedford County Medical Center
 Kristy Watkins, R.T.(R)(M), Bedford County Medical Center
 Sandra Winn, R.T.(R), Bedford County Medical Center
 Gwen Wright, R.T.(R), Middle Tennessee Bone and Joint Clinic

Respiratory Care

Tracy Alexander, R.R.T., Vanderbilt University Hospital
 Marena Anderson, C.R.T., Crockett Hospital
 Tim Augustine, R.R.T., St. Thomas Hospital
 Belinda Beard, R.R.T., Maury Regional Hospital
 Mike Bergman, C.R.T., Maury Regional Hospital
 Angie Boshers, R.R.T., Maury Regional Hospital
 David Brengartner, R.R.T., St. Thomas Hospital
 Vicki Cummins, C.R.T., Vanderbilt University Hospital
 Sharon Dobbins, C.R.T., Maury Regional Hospital
 Amy Gieske, R.R.T., Crockett Hospital
 Karen Hooper, C.R.T., Crockett Hospital
 Hugh Johnson, C.R.T., Maury Regional Hospital
 Vickie Krick, R.R.T., St. Thomas Hospital
 Charlene Lambert, R.R.T., St. Thomas Hospital
 Mike Lewis, R.R.T., Vanderbilt University Hospital
 Alice Mason, R.R.T., Vanderbilt University Hospital
 Hud Moore, R.R.T., Crockett Hospital
 Anne Morphis, R.R.T., Maury Regional Hospital
 Tim Murphy, R.R.T., St. Thomas Hospital
 Roger Parrish, R.R.T., Vanderbilt University Hospital
 Herbert Putnam, R.R.T., Maury Regional Hospital
 Becky Reaver, C.R.T., Vanderbilt University Hospital
 Hugh Stallings, R.R.T., St. Thomas Hospital
 Dana Townsend, R.R.T., Crockett Hospital
 Elizabeth Vantrese, R.R.T., Maury Regional Hospital
 David Waggner, R.R.T., Vanderbilt University Hospital
 Melissa Wescott, C.R.T., St. Thomas Hospital
 Shonnie Wright, C.R.T., Vanderbilt University Hospital

Veterinary Technology

Dr. Angela Aymett, Giles County Animal Hospital
 Holly Baker, LVMT, Mobley Veterinary Clinic
 Dr. Michelle Barrett, Spring Hill Veterinary Clinic
 Michelle Beckman, CVT, Pet Emergency Treatment Services
 Dr. Robert Blaylock, Animal Care Veterinary Hospital
 Paula Casteel, LVMT, Giles County Animal Hospital
 Wendy Coleman, LVMT, Maury County Veterinary Hospital
 Dr. John Collier, Eastside Animal Hospital
 Elaine Condra, LVMT, Green Animal Hospital
 Latisha Cooper, LVMT, Crossroads Pet Professionals
 Amanda Crouch, LVMT, Belle Meade Animal Hospital
 Dr. David Edwards, Belle Meade Animal Hospital
 Dr. Mike Fenwick, Hermitage Animal Clinic
 Lisa Franklin, LVMT, Crossroads Pet Professionals
 Dr. Mark Girone, PetMed
 Dr. W. O. Greene, Greene Animal Hospital
 Theresa Hannah, LVMT, PAWS of Maury County
 Dr. Donald Headrick, Williamson Co. Animal Hospital
 Dr. Linda Holste, Tennessee Veterinary Specialists
 David Johnson, Middle Tennessee Agriculture Experiment Station
 Gina Johnson, LVMT, Crossroads Pet Professionals
 Dr. Richard Jones, Cool Springs Veterinary Hospital

Dr. Steve Ladd, Hillsboro Animal Hospital
 Ken Lamar, Middle Tennessee Agricultural Research and Education Center
 Dr. Louis Laratta, Veterinary Ophthalmology Services
 Judy Laudebauche, Metro Animal Services
 Wendy Leverette, LVMT, Animal Care Veterinary Hospital
 Dr. Frankie Locklar, Maury County Veterinary Hospital
 Dr. Herbert McCollum, Priest Lake Veterinary Clinic
 Dr. Robert McCullough, Equine Medical Associates
 Dr. Johnny McGee, Shoal Creek Animal Hospital
 Teresa Milner, LVMT, Nashville Pet Emergency Clinic
 Dr. Montgomery McInturff, Equine Medical Associates
 Hugh Moorehead, University of Tennessee Dairy Research and Education Center
 Dr. R.D. Myers, Maury County Veterinary Hospital
 Amy Nunally, LVMT, Vanderbilt University
 Angie Overstreet, LVMT, Shoal Creek Animal Hospital
 Dr. Kent Pardon, Eastside Animal Hospital
 Dr. Jim Phillips, Southside Animal Hospital
 Lauren Pugh, LVMT, Companion Animal Hospital
 Dr. Donald Ragland, Ragland and Riley Veterinary Hospital
 Dr. Thomas Riley, Ragland and Riley Veterinary Hospital
 Kelley Rogers, LVMT, Belle Meade Animal Hospital
 Betinna Bowers Schwan, Walden's Puddle Wildlife Rehabilitation Center
 Marla Shell, LVMT, Ragland and Riley Veterinary Hospital
 Laura Sigler, LVMT, PetMed
 Desiree Stevens, LVMT, Williamson County Animal Hospital
 Dr. Roger Story, Companion Animal Hospital
 Autumn Trainor, LVMT, Crossroads Pet Professionals
 Martha Troutman, LVMT, Mobley Veterinary Clinic
 Dr. Paul Truitt, Metro Animal Services
 Sherri Valoris, LVMT, Priest Lake Veterinary Clinic
 Dr. Mark Wooten, Nolensville Veterinary Clinic