ROANE
STATE
COMMUNITY
COLLEGE
1980•1981

Roane State Community College is an Institution of Higher Education of the Tennessee State Board of Regents; accredited by the Southern Association of Colleges and Schools; an institutional member of the American Association of Community and Junior Colleges, the Southern Association of Junior Colleges and the Tennessee College Association; approved by the State Department of Education. Courses are approved by the State Approving Agency for Veterans Training.

Roane State Community College began the first session of its educational operation on September 20, 1971.

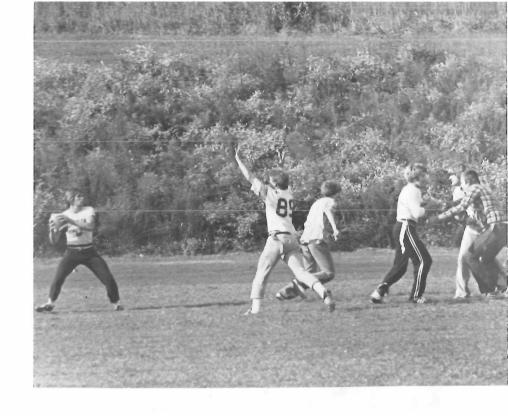
ROANE STATE COMMUNITY COLLEGE

HARRIMAN, TENNESSEE 37748



GENERAL CATALOG 1980-1981

Vol. 10 No. 1



Faculty/student intramural competitions keep Roane State students in shape all year long.





Personal attention is the key to Roane State's instructional program. Faculty members take the time to take a special interest in their students.



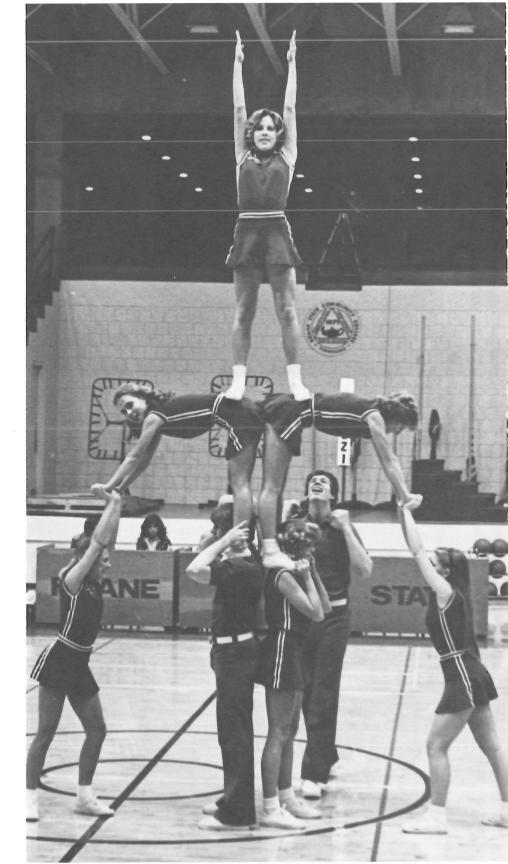


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Roane State Community College offers its programs of instruction to qualified persons regardless of race, color, creed, sex,national origin, or handicap.

An Equal Opportunity/Affirmative Action Employer

Telephone: (615) 354-3000 A NOTE TO VISITORS

The College administration, faculty, and staff welcome visitors to the campus. The administrative offices are open Monday through Friday, 8:00 a.m. until 5:00 p.m. The Admissions Office is open from 9:00 a.m. to 12:00 p.m. on Saturdays.

ACADEMIC CALENDAR¹

School Year 1980-1981

SUMMER QUARTER 1980²

First Session

11131 36331011
June 12
Second Session
July 22
August 27
Full Term
June 12 Oak Ridge Registration June 13 Campus Registration June 16 Classes begin June 23 Last day to add classes or register late July 4 Holiday—Independence Day July 28 Last day to withdraw from classes July 28 Last day to change from audit to credit or credit to audit August 25 Last class
August 27
FALL QUARTER 1980
September 22 Oak Ridge Registration September 23 Campus Registration September 25 Classes begin October 2 Last day to add classes or register late October 30 Last day to change from credit to audit or audit to credit October 30 Last day to withdraw from classes November 27-28 Thanksgiving Holidays December 5 Last class December 8 Grades due in Admissions and Records Office

¹This calendar is subject to change due to emergencies or causes beyond the reasonable control of the institution. ²See page ⁴⁴ for registration procedures and fees for Summer Quarter.

WINTER QUARTER 1981

December 29, 1980	Oak Ridge Registration
December 30, 1980	
January 2	
January 9	
February 6	
	or audit to credit
February 6	Last day to withdraw from classes
March 13	Last class
March 16Grades	s due in Admissions and Records Office

SPRING QUARTER 1981

March 23 Oak Ridge Registration
March 24
March 26
April 2Last day to add classes or register late
April 30Last day to change from credit to audit
or audit to credit April 30Last day to withdraw from classes
April 30Last day to withdraw from classes
June 3Last class
June 4
June 6

SUMMER QUARTER 19812

First Session

June 11	Oak Ridge Registration
June 12	
June 15	Classes begin
June 17	Last day to add classes or register late
	Holiday—Independence Day
July 6	
July 6	Last day to change from audit to credit
	or credit to audit
July 20	Last class

Second Session

July 23	Last day to add classes or register late
August 11	Last day to withdraw from classes
August 11	Last day to change from audit to credit
	or credit to audit
August 24	Last class .Grades due in Admissions and Records Office
August 20	.drades due in Admissions and necords office

Full Term

June 11	Oak Ridge Registration
June 12	
	Classes Begin
	Last day to add classes or register late
July 27	Last day to change from credit to audit
	or audit to credit
July 27	Last day to withdraw from classes
	Last class
August 26	Grades due in Admission and Records Office

Potential graduates should apply for graduation early in the quarter preceding the quarter of intended graduation. 2See page 44 for registration procedures and fees for Summer Quarter.

STATE BOARD OF REGENTS

STATUTORY

Honorable Lamar Alexander, Chairman Governor of the State of Tennessee, Ex-officio

Dr. Roy S. Nicks, Chancellor

Mr. Edward A. Cox The Commissioner of Education, *Ex-officio*

Honorable Mr. Jere Griggs The Commissioner of Agriculture, Ex-officio

Dr. G. Wayne Brown, Executive Director Tennessee Higher Education Commission, Ex-officio

NAMED FROM CONGRESSIONAL DISTRICTS AND AT-LARGE

Dr. Claude C. Bond	.Chattanooga
Dr. Kenneth Ezell	
Mr. William W. Farris	
Mr. Dale F. Glover	
Mr. James H. Jones, Jr., Vice Chairman	
Mrs. Johnella H. Martin	
Mr. C. Scott Mayfield	Athens
Mr. Patrick W. Prill (Student Member)	Memphis
Miss Ella V. Ross	
Mr. J. Howard Warf	
Mr. David White	Knoxville



EXECUTIVE COUNCIL MEMBERS

President	CUYLER A. DUNBAR
Dean of Academic Affairs	HAROLD L. UNDERWOOD
Dean of Administrative Affairs	FRED H. MARTIN
Director of Student Affairs	SUSAN A. GARNER
Business Manager	J. ALTON JOHNSON
Director of Personnel and Affirmative Action	JOEL G. ZACHRY
Administrator, Oak Ridge Site	JAMES L. NAVE
Administrative Assistant to the President	MARTHA C. KNOX

ADMINISTRATIVE OFFICERS

Assistant Director of Admissions and Records	ANNE P. MINTER
Coordinator of Public Information	
Director of Athletics	
Director of Educational Support Services	
Director of Computer Services	
Director of Continuing Education	PAUL E. GOLDBERG
Director of Counseling and Guidance	DONALD L. BRATCHER
Director of Development	
Director of Library Services	JOHN R. NEEDHAM
Director of Scholarships, Financial Aid and	
Veterans Affairs	WAYNE L. BREAZEALE
Director of Staff Development	CORNELIO O. ABUNGU
Senior Accountant	J. RUSSELL LIMBURG
Superintendent of Maintenance and Security	KINCH M. YORK

DEPARTMENT HEADS

Allied Health Programs and Nursing	ELAINE B. JOHNSON
Business and Economics	BOB F. THOMAS
Education	MELVIN A. KIRKPATRICK
Engineering Technology	B. BARTLEY KLIMA
Health, Physical Education and Recreation	PHILLIP ALLEN
Humanities	NANCY M. FISHER
Mathematics and Science	ANNE P. MINTER
Social Sciences	JAMES A. DOYLE

ADMINISTRATION AND FACULTY

ABUNGU, CORNELIO O
B.A., Jarvis Christian College—Mathematics M.S., East Texas State University—Mathematics Ed.D., East Texas State University—Educational Administration (1975)
ALLEN, PHILLIP
Assistant Professor of Recreation B.S., Western Kentucky University—Physical Education M.S., University of Tennessee—Recreation (1971)
ANDREWS, REBECCA P
ATKINSON, EDWARD R., JR
BAILEY, LEONARD C
BARNES, DELORISE C
BARNES, RICHARD VERLE
BARWICK, JOHN T
B.S., East Tennessee State University—Mathematics, Physics Ph.D., University of Tennessee—Physics (1979)
BAYNE, STUART W
B.A., Lehigh University—Psychology M.A., Fairleigh Dickinson University—Human Development B.S., Jersey City State College—Fire Safety Administration (1979)
BILBREY, JUNE A
BOULDIN, ANNE P
B.F.A., University of Tennessee M.S., University of Tennessee—Art Education (1977)
BOULDIN, C. LARRY

BRATCHER, DONALD L
A.A., Hiwassee College—General Studies B.S., Tennessee Wesleyan College—Psychology M.S., University of Tennessee—Guidance Ed.S., University of Tennessee—Guidance Ed.D., University of Tennessee—Educational Psychology and Guidance (1976)
BREAZEALE, WAYNE L
B.S., University of Kentucky—Business Administration M.S., University of Tennessee—Guidance Ed.D., University of Tennessee—Educational Psychology and Guidance (1976)
BROWN, JAMES E
BRYANT, GAY D
BYRNE, JANET O
B.S., Tennessee Technological University—Home Economics Education M.S., University of Tennessee—Child and Family Studies (1977)
BYRNE, THOMAS E
CHARTON, FRANK L
CHRESTMAN, SHERRY H
CHISM, PATRICIA L
CHRISTIAN, ALEETA P
A.B., Birmingham-Southern College—Religion and Philosophy, Spanish M.S., University of Tennessee—Adult Education (1977)
CHRISTIAN, FLOYD L
COMPTON, SHAY JENKINS

COORED HENDY II
COOPER, HENRY H
CRESSWELL, ROBERT H
Special Services B.S., Tennessee Technological University—Secondary Education M.A., Tennessee Technological University—Administration and Supervision (1978)
DABBS, BETTY H
DAVIS, BEULAH A
DAVIS, JAMES L
Head Women's Basketball Coach B.S., Tennessee Wesleyan College—Health and Physical Education M.A., Tennessee Technological University—Administration and Supervision (1975) Additional Graduate Work, East Tennessee State University
DAVIS, PATRICIA H
B.S., University of Tennessee—Early Childhood Education (1977)
DIXON, LANA S
DODSON, JAMIE F
DOYLE, JAMES A
B.A., Aquinas College—Psychology M.A., Xavier University—Clinical Psychology Ph.D., University of Regina—Social-Clinical Psychology (1973)
DUNBAR, CUYLER A
EDWARDS, LINDA M
EISON, JAMES A
ELLIOTT, SANDRA
FAUST, ERCILLE H

FISHER, BRUCE A	,
FISHER, NANCY M	
FOLTZ-GRAY, DANIEL A	
FOLTZ-GRAY, DOROTHY	1
FRITTS, HARRY E	;
GARNER, SUSAN A	
GIBSON, PATRICIA J	
GLOVER, IRVING T	
GOLDBERG, PAUL E	
GREEN, CAREY J	
A.S., Roane State Community College—General B.S., University of South Carolina—Biology M.S., University of Tennessee—Biology (1979)	
GREENE, LOUISE R	
HAMMOND, JAMES M	
B.A., Tennessee Wesleyan—English M.A., Middle Tennessee State University—English (1978)	

HEIDINGER, GARY L
HIDUKE, GAIL P
HOAGLAND, JUDY K
HOAGLAND, WILLIAM M
HOLDER, MABRE M
HOWARD, BENJAMIN S
HOWARD, REBECCA M
HOWELL, RONALD P
JENKINS, MARGARET G
JOHNSON ELAINE B
JOHNSON, J. ALTON
JONES, KATHY R
M.Ed., Middle Tennessee State University—Reading (1975)
JORDAN, BERNARD E
JOYCE, JAMES A

KARR, CLAIRE E
A.B., Connecticut College for Women—History M.A.T., Boston College—History (1972)
KENNEDY, STEPHEN D
B.A., Syracuse University—Psychology (1971) Additional Graduate Work, University of Tennessee
KIRKPATRICK, MELVIN A
Associate Professor of Mathematics B.S., Tennessee Technological University—Mathematics, Secondary Education M.S.T., Middle Tennessee State University—Mathematics Ed.D., University of Tennessee—Curriculum and Instruction (1978)
KLIMA, B. BARTLEYDepartment Head, Engineering Technology
Assistant Professor of Chemical Engineering B.S., Georgia Institute of Technology—Chemical Engineering (1933)
P.E.
KNOX, MARTHA CAdministrative Assistant to the President, Associate Professor of English
A.B., University of Tennessee—English
M.A., University of Tennessee—English (1965)
Additional Graduate Work, University of Tennessee
KRING, JAMES B
M.S., University of Tennessee—Botany (1965)
KUEHN, FAYE
M.S., University of Tennessee—Communications (1977)
LIGGETT, JOY E
M.S., University of Tennessee—History (1978)
LIMBURG, J. RUSSELL
LISKOVEC, EDWARD W
B.A., Florida Technical University—Business Education M.S., University of Tennessee—Business Education (1976)
MADDOX, DAVID A
of Respiratory Therapy Technology B.A., West Georgia College, Carrolton, GA—Psychology
Additional Studies—
Georgia State University, Atlanta, GA—1972 (Diploma in Advanced Studies, Respiratory Therapy)
Emory University, Atlanta, GA—Crawford W. Long
Memorial Hospital—1972 (Diploma in Graduate Studies in Respiratory Therapy) C.R.T.T.—Certified Respiratory Therapy Technician #259-72-6337 R.R.T.—Registered Respiratory Therapist #3589
MARTIN, FREDRIC H
B.S., University of Tennessee—Science Education M.S., University of Tennessee—Science Education
Ed.D., University of Tennessee—Curriculum and Instruction (1972)
LIMIT I

MCILWAIN, MARY D
MINTER, ANNE P
B.S., Georgia College at Milledgeville—Chemistry M.A., Duke University—Microbiology Ed.D., University of Tennessee—Science in Higher Education (1973)
MOORE, ALICE A
MOORE, MICHAEL L
MULLINS, C. DAVID, JR
MURRAY, WILLIAM P
NAMKUNG, AGNES I
NAVE, JAMES L
B.A., Emory and Henry—Physical Education M.S., University of Tennessee—Physical Education Ed.D., Auburn University—Education Administration (1977)
NEEDHAM, JOHN R
NELSON, GERALD H
NICHOLS, JANE B
B.S., University of Tennessee—Medical Technology (1974) Additional Graduate Work, University of Tennessee Center for the Health Sciences— Medical Technology
PETERSON, STEPHEN J
PORTERFIELD, DELLA N

POULIN, GERALD D
M.A.C.T., Middle Tennessee State University—English (1971)
RANDOLPH, HELEN E
RENNIE, NANCY W
RUDOLPH, JOHNNIE J
SAFDIE, ROBERT
SAIDAK, LANCE R
SANCHEZ-VINAS, MICHAEL R
A.S., Broward College—Respiratory Therapy Technology A.S., Broward College—Respiratory Therapy Technology (1971) Additional Work—University of Tennessee, Nashville, University of Kentucky, Lexington, Nova University, Fort Lauderdale, Ottawa University, Kansas City, (1980)
C.P.T.—Certified Cardio-Pulmonary Technician C.R.T.T.—Certified Respiratory Therapy Technician #267-86-0269 R.E.M.T.—Registered Emergency Medical Technician #7084 R.R.T.—Registered Respiratory Therapist #2661
SEAVER, GARY V
B.S., University of Tennessee—Art Education
SIENKNECHT, MARTHA E
Additional Graduate Work, University of Tennessee
SIMMONS, LINDA J
SMITH, BILLY L
B.A., Union College, Kentucky—Chemistry M.M., University of Tennessee—Mathematics (1974)
SMITH, CARROLL H
M.S., University of Tennessee—Physical Education (1972)
SWEET, DAVID G

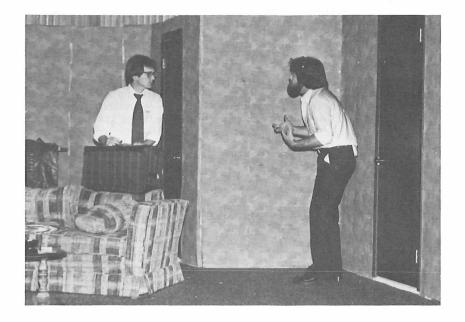
TEETER, W. SCOTT	
THOMAS, BOB F	
B.S., University of Tennessee—Marketing M.B.A., University of Tennessee—Industrial/Personnel Additional Graduate Work, University of Tennessee	Management (1976)
THOMPSON, J. RONALD	Instructor of Engineering cal Engineering (1966)
THOMPSON, JOANN W	Guidance Counselor Physical Education
	nployment Training Program, or of Developmental Studies
B.S., University of Tennessee—Secondary Education M.S., University of Tennessee—Adult Education (1977)	
UNDERWOOD, HAROLD LB.S., Mississippi State—Science Education M.S.C.S., University of Mississippi—Mathematics Ed.D., Auburn University—Educational Administration	
WILLIAMS, DAVID H	
WILLIAMSON, JAMES E. B.M., University of Tennessee—Applied Music M.M., University of Tennessee—Applied Music (1976)	Instructor of Music
WILLIAMSON, ROBERT C	
A.B., University of Tennessee—Political Science Additional Graduate Work, University of Tennessee	
WORKS, LARRY P	sical Education
WRIGHT, WILLIAM B	
YATES, WILLIAM B	·
YORK, KINCH MSuperintendent Memphis State University	of Maintenance and Security
	onnel and Affirmative Action, ssistant Professor of Biology
 B.S., Tennessee Technological University—Education M.S., Middle Tennessee State University—Biology (197 Additional Graduate Work, Middle Tennessee State Un University of Tennessee 	

COLLEGE COMMITTEES

Academic/Curriculum Council
Admissions and Retentions Committee
Athletic Committee
Awards Committee
Concerts and Lectures Committee
Discipline Committee
Executive Council
Faculty Council
Faculty Evaluation Committee
Financial Aid Committee
Graduation Committee
Library Committee
Personnel Committee
Publications Committee
Staff Development Committee

THE PRESIDENT'S ROUND TABLES

The President of Roane State Community College periodically schedules an open hour for student organization officers and any other interested members of the student body. The student round table is scheduled weekly in the student center. An open hour for faculty to discuss matters of concern is also scheduled weekly, in the faculty office areas.



COMPLAINT PROCEDURE FOR

AFFIRMATIVE ACTION

COMPREHENSIVE EMPLOYMENT AND TRAINING ACT FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974 TENNESSEE UNIFORM ADMINISTRATIVE PROCEDURES ACT AND

ALL FEDERAL AND STATE TITLE PROGRAMS

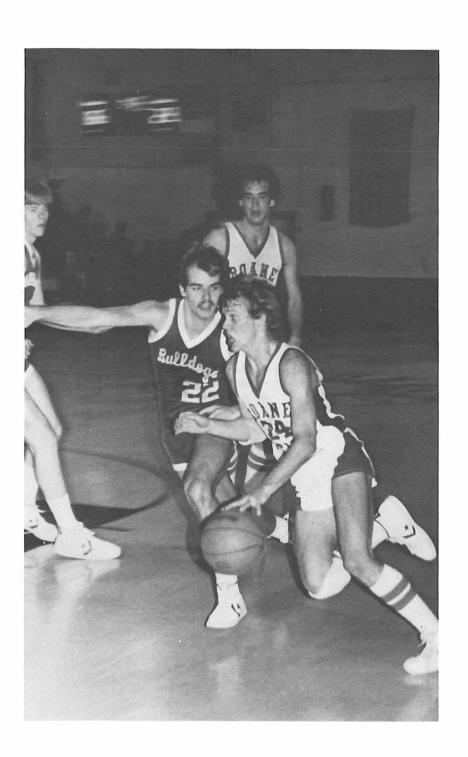
- A complaint may be filed by a present employee or student, former employee or student, or an applicant for employment at or admission to Roane State who believes that discrimination against him or her, or any employee or student who feels that practices at Roane State will result in discrimination against him or her.
- 2. In the event a complaint cannot be resolved between an employee and the immediate supervisor, or a student and the Dean of Students, or when an applicant for employment or admission has a complaint, the complaint and the basis for it should be submitted in writing to the Director of Personnel. All complaints must be signed and dated by the complainant.
- The Director will conduct an investigation and present his findings to the Personnel Committee.
- The Personnel Committee will make recommendations in writing (through the Director) to the President.
- 5. If a complainant is not satisfied with the decision of the President and desires further consideration of the complaint, he/she may file an appeal in writing with the Chancellor of the State University and Community College System who shall review all findings and recommend a final decision on the complaint to the Board of Regents.
- Copies of all complaints, investigation reports, recommendations and actions taken shall be submitted to the General Counsel of the State University and Community College System.
- 7. Procedural due process shall be observed during the processing of all complaints. (All complaints are reviewed and accepted subject to the Tennessee Uniform Administrative Procedures Act of 1974.)

CONCLUSION

Roane State Community College reserves the right to amend, revise, and/or delete any information, policy and/or procedure stated herein upon reasonable notification and as approved by the Director and/or the President. Copies of this information in full and/or in part may be provided the inquirer by contacting the Office during its normal working hours or by writing

Joel G. Zachry, Director Personnel and Affirmative Action Roane State Community College Harriman, Tennessee 37748

ROANE STATE, EQUAL IN OPPORTUNITY FOR EDUCATION, EMPLOYMENT, EXPERIENCE.





The new Technologies Building (left) and the Library/Learning Resources Center (middle) still under construction are expanding the landscape at Roane State.





GENERAL INFORMATION



COLLEGE HISTORY

In 1957 the Pierce-Albright report on higher education in Tennessee was submitted to the Tennessee Legislative Council. This report emphasized the need for additional higher education to be available to the typical Tennessee resident.

In 1963 the Tennessee General Assembly appropriated \$200,000 for use over a two-year period to implement the Pierce-Albright report. The State Department of Education, under the leadership of Commissioner J. Howard Warf, developed plans for the establishment of community colleges to service areas without access to higher education.

The 1965 Tennessee General Assembly authorized the establishment of the first three community colleges, one to be located in each of the State's three grand divisions. Sites of these institutions were Columbia, Cleveland, and Jackson. The cities of Dyersburg and Tullahoma were the locations of additional community colleges opened in 1969. In 1970 Morristown was the location of the sixth community college.

Acting upon the recommendation of Governor Buford Ellington and the State Department of Education, the 1969 Tennessee General Assembly authorized the establishment of three additional community colleges. These colleges were to be located in Sumner, Roane, and Shelby counties. In July 1969, Commissioner J. Howard Warf and other State Department of Education officials visited various sites proposed for the new college in Roane County. After appropriate studies were made, a site on Patton Lane was chosen for the location of the institution.

In May of 1970, Dr. Cuyler A. Dunbar was selected as the first president of the College; and in the late summer, temporary offices were opened on Ruritan Road in South Harriman.

When bids for construction were opened in August 1970, the low bid was approximately \$700,000 higher than the amount of available funds. Subsequently, a decision was made by State Department of Education officials and College administrative personnel to open in temporary quarters in the fall of 1971.

Bids for construction were opened again in June 1971, and construction was begun in July 1971. The building was occupied in August 1973.

Groundbreaking for the second building on the Roane State campus was held in January 1977. This three-story Technologies Building, which houses the college's expanding careereducation programs and personnel, was occupied in December 1978.

Construction on an additional package of buildings was begun in June 1978. This package, called Campus Expansion Phase II, consists of a Library/Learning Resources Center and a Maintenance Building/Central Heating Plant. The Maintenance facility was completed in June 1979, while the other building included in the Campus Expansion Phase II project was completed during the 1979-80 academic year. This second expansion project, like the Technologies Building, will greatly improve the services which the college can offer to both students and the community.

These new facilities at Roane State are becoming increasingly important due to the tremendous growth of the college. In addition to growth on campus, the classes and programs offered in the surrounding communities of the college's service area have also continued to grow. During the 1979-80 academic year, classes were offered in 11 counties of its service area. The Fall Quarter 1979 enrollment was up again for the eighth straight year. During this Fall Quarter, 3,224 students were enrolled for credit courses, with more than 850 students enrolled in non-credit courses, programs and workshops. This made over 4,000 persons who were served by RSCC during the Fall Quarter alone.

Location

The campus of Roane State Community College consists of 104 acres located between the cities of Harriman, Kingston, and Rockwood in Roane County, Tennessee. The permanent site is near the intersection of Patton Lane and U.S. Highway 70. The campus is easily accessible from Interstate 40 and U.S. Highways 27 and 70.

PURPOSE

The educational offerings of Roane State Community College are based upon the belief that development of the individual for a useful and productive life in a democratic society is a primary obligation of the public educational system.

Roane State Community College accepts as its purpose the development of the cultural, intellectual, physical and vocational resources of the people of the surrounding area through qualified teaching, professional counseling and guidance and supplementary services offered to students and community.

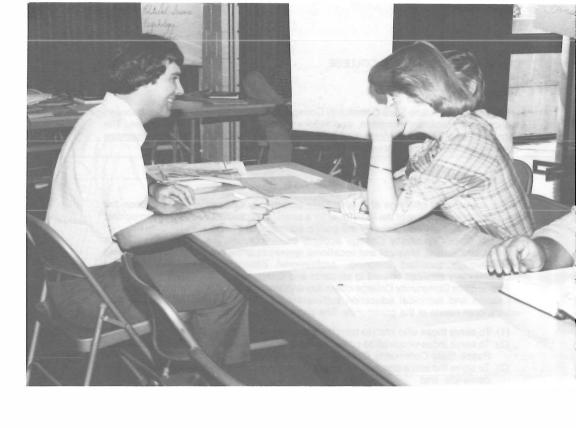
Roane State Community College offers day and evening programs combining general education and technical education sufficiently flexible to provide for the changing educational needs of the community. The program is fourfold:

- (1) To serve those who wish to transfer and complete a four-year college education;
- (2) To serve those who wish to complete their formal education upon graduation from Roane State Community College;
- (3) To serve the entire community through a program based on community needs and demands; and
- (4) To offer remedial programs for those students in need of intensive preparation for college level work.

Specifically, Roane State Community College attempts to fulfill its role in the educational process by:

- (1) Promoting a liberal admissions policy;
- (2) Developing and maintaining a broad curriculum of superior quality:
- (3) Supporting a position of low fees for its students;
- (4) Maintaining a fundamental awareness of the area it serves;
- (5) Establishing adequate articulation with four-year institutions;
- (6) Developing reasonable vocational and occupational objectives; and
- (7) Encouraging more effective use of leisure time.

Roane State Community College accepts the philosophy that a community college is not merely two years of continuing high school or just the first two years of college but is a separate entity. Roane State Community College recognizes that students have differing learning characteristics which require varied instructional techniques, and the College endeavors to provide the leadership which will enable each individual to develop and mature toward the realization of his/her potential. Thus, students are encouraged to participate actively in the social, cultural and intellectual activities of the College and the community.







ADMISSIONS AND RECORDS



Admissions

Roane State Community College subscribes to the "open-door" policy for admission. Prospective students seeking admission to complete courses for college credit must meet the following requirements.

ADMISSION REQUIREMENTS

- Graduate from high school or receive a GED high school equivalency diploma and file with the Office of Admissions an official high school transcript or an official copy of GED scores.
- File an application for admission and submit a non-refundable application fee of \$5.00. The application form must have all appropriate spaces completed. Failure to complete accurately all appropriate spaces may result in expulsion from the college.
- 3. File the signed Health Information Report and/or evidence of a recent physical examination. Students who have special health problems must file this information with the college clinic. Part-time students shall have the option of signing the medical waiver, and students who enroll only in courses taught at off-campus locations are exempt from any health information requirement.
- 4. All freshmen applicants are strongly urged to take the American College Testing Program (ACT) battery and have their scores certified directly to the Admissions and Records Office, Roane State Community College, Harriman, Tennessee 37748. This test should be taken preferably on one of the fall testing dates during the senior year of high school. Information on the ACT may be obtained from the high school counselor, the Counseling Office at RSCC or by writing to American College Testing Inc., P.O. Box 168, Iowa City, Iowa 52242. Roane State Community College's ACT Code Number is 3985. This number should be used when requesting that scores be sent to RSCC. Students may enter without having taken the ACT, but they may be required to take the ACT battery during their first quarter of attendance. The sole purpose of these tests is to assist the student in choosing the best academic schedule.
- 5. Students who have graduated from a Tennessee high school and who have not earned one credit in American History while in the high school program are required to complete 9 quarter hours of American History during their first 45 hours of enrollment at Roane State. This requirement does not affect the student who enters the college with a G.E.D. certificate.

ADMISSIONS POLICIES FOR ASSOCIATE OF SCIENCE NURSING PROGRAM

To be considered for admission into the Associate Degree Nursing Program, applicants must

- 1. Apply to and be accepted by the college.
- Submit high school transcripts and transcripts of all previous college work to the Admissions office.
- 3. Meet either requirement A or B.
 - A. Complete at least 24 hours of work from the general education requirements in the Nursing curriculum with a minimum 2.75 GPA.

OF

B. Attain a composite score of 18 or above on the ACT battery.

- 4. Upon acceptance for admission, submit proof of a physical examination, providing evidence of physical status necessary for the practice of all areas of nursing care.
- Show evidence of emotional stability as indicated by interviews with Admissions and Nursing advisors, references, and personnel records. References must be submitted as requested.

If the composite ACT score is less than 18, a minimum of 24 hours of work will be required from the general education courses in the Nursing curriculum with a minimum grade point average of 2.75. All credits earned from these courses will be included in computing the required average. If verbal, math and science scores or composite ACT score is below 15, the following courses are also required:

REA 1010 Developmental Reading and Study Skills

DVS 0710 Basic Mathematics

DVS 0610 Basic Science

Acceptance into the Nursing Program is not automatic, even though the applicant may be academically qualified and recommended by the Admissions Advisory Council. Class size is limited by clinical and classroom space and faculty availability. Applicants who are accepted into the college are asked to remember that acceptance into the Nursing Program is separate, and that applicants are notified by letterwhether or not they are accepted into the Nursing Program. Students not accepted for the class for which they applied must reapply if they wish to be considered for a later class.

Students are admitted to the beginning Nursing course each Fall Quarter. Two academic years (6 quarters) excluding summer, regardless of previously earned academic credits, are required for completion of the program.

Transfer students must meet the same requirements as other applicants. No Nursing courses earned in a school of Nursing or practical Nursing Program may be credited or validated, although academic courses in these programs, if earned through a college or university, will be evaluated for transfer.

Students who are licensed practical nurses or who have previously been students in a school of nursing may elect to have their technical nursing skills evaluated individually by proficiency examinations. A satisfactory performance level may enable the student to omit certain clinical experiences within the first quarter of the program (Nursing I).

Uniforms are required. Information and order forms are included in letters of acceptance into the Nursing Program. Fees for the nursing students are the same as for other students with the addition of a quarterly fee for liability insurance.

ADMISSION POLICIES FOR ALLIED HEALTH PROGRAMS

There are special admission policies for Allied Health programs, which include Dietetic, Medical Laboratory Technology, Medical Records Technology, Radiologic Technology, and Respiratory Therapy.

- 1. The applicant must be a high school graduate, ranking in the upper half of the graduating class or attaining a G.E.D. score above the 50th percentile.
- The applicant must attain a composite score of 18 or above on the American College Testing Program (A.C.T.) or attain a composite score at or above the 50th percentile on the College Qualification Test (C.Q.T.).
- A student who does not meet the above requirements may be considered after completion of 12 hours of general education courses required in the program with a GPA of 2.5 or better.

- 4. The applicant must be interviewed by the Program Director of the specific program or a designated representative.
- A history and physical examination is required prior to beginning the clinical education. Forms are available from the college nurse or from the Coordinator of Health Occupations.
- Respiratory therapy applicants may be required to take additional preadmission testing.
- Final selections of students will be made by the Health Occupations Admissions Committee

TRANSFER STUDENTS FROM OTHER COLLEGES AND UNIVERSITIES

- Degree seeking applicants who have attended another college or university will be considered transfer students and will be required to furnish transcripts of all previous college work from each institution they have attended.
- Transcripts are not accepted from students. A certified copy must be mailed directly to the Office of Admissions, Roane State Community College.
- Transfer students will be admitted if they meet the minimum scholastic standards required by the College. Special cases will be evaluated by the Admissions Office.
- 4. In special cases an applicant who wishes to transfer to Roane State Community College may be allowed to register prior to the receipt of official transcripts. It is mandatory, however, that all transcripts be received during the first quarter of enrollment. No student may register for a second term if the admissions file is not complete.
- Credits for courses not corresponding with the curriculum at Roane State will be entered on the transcript as elective credit.
- 6. If a transfer student has accumulated less than 24 quarter hours, an official high school transcript is also required.

When all requirements have been met, the applicant may be admitted to the College as a candidate for a degree and receive college credit for courses completed.

HOW TO APPLY FOR ADMISSION

All correspondence concerning admissions should be addressed to:
Director of Educational Support Services
Roane State Community College
Harriman, Tennessee 37748

A candidate for admission should request application blanks early enough to allow ample time for required materials to be forwarded to the Director of Educational Support Services.

When all admission papers have been received in the Office of Admissions and Records, the applicant will be sent a letter indicating that he/she has been accepted for admission, or he/she will be advised by letter that further action is necessary in order to establish eligibility for admission. Applicants will be advised when to appear for testing, counseling, pre-registration and registration.

READMISSION OF FORMER STUDENTS

Former students who wish to return to the College after an absence of one quarter or more must file a formal application for readmission. Application forms, available

from the Office of Admissions and Records, must be completed in inkor by typewriter and returned to the Office of Admissions and Records. If the student has enrolled at another college since last attending Roane State Community College, he/she must have a transcript from the other college submitted and approved before he/she may reenter. Applications will receive favorable consideration only if the applicant is eligible for readmission under all college regulations.

ENROLLMENT OF ELDERLY AND TOTALLY DISABLED PERSONS

Persons sixty years of age or older who are domiciled in Tennessee may audit courses without payment of course fees if space is available in the desired class.

Persons sixty five years of age or older and totally disabled persons who are domiciled in Tennessee, are eligible to enroll in courses for credit upon payment of service fees of \$3.50 per quarter hour, not to exceed \$30.00. Special fees will be assessed.

All students must complete the institutional application form and pay the application fee.

STUDENT CLASSIFICATION

Degree Student

A student who has fulfilled admission requirements and is pursuing an Associate Degree program is admitted as a degree student. For administrative purposes, a student will be classified as a freshman until the completion of 42 quarter hours; a student who has completed 42 quarter hours or more will be classified as a sophomore. Those not accepted as degree students will be classified as special students.

Special Student—Credit

Persons desiring college credit, but who are not working toward a degree at Roane State Community College, may be admitted as special students. These students must submit an application form, the required medical form, and evidence of high school graduation or a GED diploma. If such students have already earned a degree, or have completed some work toward a degree at another institution of higher education, a college transcript in lieu of the high school transcript or GED diploma may fulfill this requirement.

Special Student-Non-Credit

Persons desiring to take courses offered in the College program for audit, or who do not meet all of the admission requirements, will be admitted as special students. Students seeking admission to the College for the purpose of attending special courses, seminars, or other non-credit offerings will be admitted as special students.

Special Student—Adult

A student who has passed his/her eighteenth birthday and who does not meet requirements for a regular student may be admitted as an adult-special student subject to the following guidelines:

- The applicant must submit an application for admission and a five dollar application fee.
- 2. The applicant may not enroll as a full-time student.

- 3. The applicant may not accumulate more than 24 hours of credit while enrolled as an adult-special student.
- 4. After 24 quarter hours have been attempted, if the student has a 2.00 GPA or better, the student may apply to the Director of Admissions for reclassification as a regular degree student. If the reclassification request is granted, up to 24 hours of credit may be applied toward a degree program at Roane State Community College. If, after attempting 24 credit hours, the adult-special student does not have a 2.00 average, the student may not enroll in additional courses until the GED test has been successfully completed.
- If the student applies for reclassification to a regular degree student prior to the successful completion of 24 quarter hours (2.00 GPA or better), the student must submit evidence of high school graduation or successful GED scores (a composite score of 45 or better).

An adult who presents evidence of having passed his sixtieth birthday will be admitted as an adult-special student subject to the following guidelines:

- The applicant must submit a completed application form and a five dollar application fee.
- The student may be permitted to enroll in courses on an audit basis when class space permits. No course fees are required for Tennessee residents under these circumstances.
- 3. Regular fees must be paid for all community service courses.

Adult Special Veteran

Veterans and other eligible persons who are not high school graduates or who have not passed the high school level General Education Development test according to the standards set by the State of Tennessee, will be classified Adult Special Veteran.

Students classified as Adult Special Veteran will be required to take the College Qualification Tests and the Nelson-Denny Reading Test. The results of these tests, previous academic record, and the declared major (Associate of Science or Arts) of the student will be reviewed by a college counselor to determine which remedial courses he/she must complete satisfactorily before admission as a regular degree student. No credit toward an Associate degree will be earned while the student is classified as Adult Special Veteran.

Transfer Student

Admission as a transfer student will be based upon the student's high school record and his/her success in college. Critical consideration will be given to the conditions under which he/she is withdrawing or has withdrawn from another institution. Normally, transfer students will be admitted who can show evidence of honorable withdrawal or dismissal. These students must be eligible for readmission at the institution or be recommended for admission by the institution where they matriculated. Special cases will be evaluated by the Admissions Office.

Transfer students who are residents of Tennessee will be given first consideration. Out-of-state transfer students will be considered if space is available. The conditions resulting in their request for transfer will be studied and recommendation made by the appropriate committee.

Transient Student

The person seeking to be admitted as a transient student must complete the application form for transient students. The transient application is in addition to the regular form. The form contains a provision for written approval and prior commitment from the student's college to accept the creditearned at Roane State Community College.

International Student

An applicant who is a citizen or a permanent resident of a country other than the United States is classified as an international student. The following are admissions requirements for international students in addition to those outlined for United States citizens and Tennessee residents:

- All applicants whose native language is not English are required to furnish test results of the Test of English as a Foreign Language (TOEFL). A minimum score of 450 on this test is required.
- In addition to satisfactory TOEFL scores, all international applicants are required to take an English placement test at Roane State Community College for the purpose of placement in English courses. This test is administered by the Humanities Division. A personal interview is also a part of the placement procedure.
- 3. All transcripts, test scores, and other credentials must be accompanied by an official English translation of these documents and must be on file in the Office of Admissions and Records at least sixty days prior to the beginning of the term in which the applicant wishes to enroll.
- 4. Evidence of financial resources adequate for all expenses for at least one year of enrollment. (A statement verifying these resources from a bank in the United States will fill this requirement).
- The international student must be familiar with the regulations of the Immigration and Naturalization Service and assume responsibility for complying with these regulations.

ADVANCED STUDIES

(for seniors in high school)

Upon completion of the junior year in high school a student may enroll in courses under the Advanced Studies plan. Conditions of this plan are as follows:

- The student must have a cumulative average of "B" or above or rank in the upper 25% of the class, and the student must be nominated by the high school principal and/or counselor.
- The course load may not exceed 10 quarter hours except in cases where a sequence may be 12 quarter hours.

Exceptions to the above policy must be approved by the high school principal concerned and the Dean of Academic Affairs at Roane State Community College.

Courses satisfactorily completed will count as credit for those who submit a high school transcript showing evidence of high school graduation.

Exceptionally qualified students may continue in advanced studies during their senior year of high school if recommended by the high school principal. Courses for such students should be selected by the College, and the student given released time from the high school to attend classes of the College.

ADVANCED STANDING

Course Exemption

Advanced placement in foreign language classes will be based upon the student's previous studies. Those who have completed two years of a high school language with "C" or better should enroll in the intermediate level of that language. They may, however, receive credit for the beginning level courses through departmental proficiency examinations.

In English, students with ACT scores of 25 or better may enroll for both English 1010 and 1020, attend English 1020, and receive six hours credit with the grade earned in English 1020.

Advanced Placement

Roane State also offers course credit for successful completion of Advanced Placement examinations administered by the College Entrance Examination Board to high school students. Course credit will be granted to students presenting Advanced Placement examination grades of three or higher. Inquiries concerning Advanced Placement should be forwarded to the Office of Admissions and Records.

Departmental Examinations

- Students desiring to obtain credit by successfully completing departmentally designed examinations must apply to the appropriate department and arrange to take the examination.
- Students registering for a course for which credit is granted as a result of a proficiency test must present approval for this registration from the appropriate department.

CLEP General Examinations:

Have official scores sent from CEEB to the Office of Admissions and Records. An evaluation for possible credit will be made, and a copy of this evaluation will be mailed to the student. Credit in each area of the General examinations will be limited to the first course in a course sequence.

CLEP Subject Area Examinations:

Have official scores sent from CEEB to the Office of Admissions and Records. An evaluation for possible credit will be made, and a copy of the evaluation will be mailed to the student.

ACCEPTABLE SCALED SCORES ON CLEPTESTS AND AMOUNT OF RSCC CREDIT HOURS AWARDED

CLEP GENERAL EXAMINATIONS:	Minimum Acceptable Score	Amount of Credit Hours Awarded
English Composition Humanities Mathematics Natural Science Social Science—History	489 497 489	3 3 3 3

CLEP SUBJECT EXAMINATIONS:	Minimum Acceptable Score	Amount of Credit Hours Awarded
Afro-American History	50	3
American Government	50	3
American History*	49	9
American Literature	50	6
Analysis and Interpretation of	C 4	
Literature	51	6
Anatomy/Physiology/ Microbiology	50	16
	49	12
Biology Calculus with Elementary	49	12
Functions	49	6
College Algebra	49	3
College Algebra: Trigonometry	49	5
College Composition	50	9
College French (Level 1)	44	9
College French (Level 2)	56	9
College German (Level 1)	44	9
College German (Level 2)	55	9
College Spanish (Level 1)	45	9
College Spanish (Level 2)	55	9
Computers and Data Processing	48	3
Educational Psychology	50	3
Elementary Computer Pro-		
gramming: Fortran IV	51	3
English Literature	49	3
General Chemistry	48	12
General Psychology	50	9
Hematology	50	4
Human Growth and		
Development	51	3
Immunohematology and Blood		
Banking	50	2
Introduction to Business		
Management	50	3
Introductory Accounting	50	9
Introductory Business Law	51	OH(H 3 H
Introductory Macroeconomics	50	3
Introductory Microeconomics	50	3
Introductory Micro- and		
Macroeconomics	49	3
Introductory Marketing	50	3
Introductory Sociology	50	9
Microbiology	49	4
Money and banking	49	4
Statistics	50	3
Trigonometry	49	9
Western Civilization	50	9

*Essay section required.

Course Credit for Passing the CPS Examination

Persons passing the Certified Professional Secretary examination will be granted 24 hours of credit at Roane State for the following courses. After formal application is made with the school for admission, the student will receive a grade of "S" on his/her transcript for the following courses which will apply to a degree in Office Administration:

BUS ECO BUS OAD OAD OAD	1010 2510 2010 2210 1010 1020 2210 1010	Introduction to Business .3 Legal Environment for Business .3 Principles of Economics I .3 Principles of Accounting I .3 Typing I .3 Typing III .3 Office Practice .3 Cooperative Education I .3
		24

Credit awarded is subject to change when the actual content of the CPS examination no longer corresponds to course content or when courses at RSCC are revised substantially.

In order to receive credit for these courses, the CPS applicant must follow the procedures listed below:

- The CPS holder will apply to the Office of Admissions and pay the application fee required.
- 2. The CPS holder will present his/her CPS certificate to the Admissions Office upon application as sufficient proof of his/her CPS status.

TRANSFER OF CREDIT

Roane State Community College will accept credits transferred from accredited colleges. Certified transcripts of all previous records must be sent to the College at the time of application. Credits for courses not corresponding with the curriculum at Roane State Community College will be entered on the transcript as elective credits. Credit from an institution of higher education which is not fully accredited may be accepted provisionally if the institution is in the process of attaining accreditation.

No academic credit may be transferred to Roane State Community College from a non-accredited institution (an acceptable accrediting agency for an institution would be the Southern Association of Colleges and Schools).

Transfer grades have no bearing on the required average for graduation.

Veteran students who have more than one year of honorable military service may be awarded up to six hours of physical education activity credit and up to nine hours of Military Science credit. The veteran must present a copy of the DD 214 Form (if not on file) to the Office of Admissions and Records and file a petition for this credit.

CORRESPONDENCE AND EXTENSION CREDIT

A student may not be enrolled at another college for correspondence or extension work while enrolled at Roane State unless special permission has been granted. All extension or correspondence work in progress upon admission must be reported to the Office of Admissions and Records at the time of the student's first registration. A maximum of 25 quarter hours correspondence and/or extension work may be applied toward degree credit. All correspondence or extension work must have the documented approval of the Director of Admissions and Records.

RECORDS

Records of each student's grades are kept on permanent file in the Office of Admissions and Records. Since these records are permanent and are frequently referred to for the purpose of supplying information to legitimate sources, all students should be acutely conscious that they are building their future and that their good attitude and diligent study will stand them in good stead after graduation.

In all cases, student admission files must be complete prior to the end of the first quarter of enrollment. No student will receive grades or be permitted to reenroll until all necessary documents are received in the Office of Admissions and Records.

SPECIAL STATE AND FEDERAL LEGISLATION FOR EDUCATIONAL PURPOSES

Family Educational Rights and Privacy Act

This act provides for confidentiality of student records. No information contained in a student file may be released without the consent of the student. The only exception to this is information designated as directory information. This includes student name, address, telephone number, date and place of birth, major, dates of attendance, degree and awards, the most recent previous educational agency or institution attended, participation in school activities and sports, weight and height (for special activities). In addition, the act provides for student review under prescribed circumstances of his/her records.

Copies of the institutional policy are located in the Library and in the Office of the Director of Student Activities as well as the Office of Admissions and Records. Students may contact the Director of Admissions and Records for additional information or to request that Directory Information be withheld.

TRANSCRIPT OF CREDITS

In all cases, obligations to the College must be fulfilled before a transcript will be issued.

REGISTRATION FOR COURSES

A student whose application is filed before the application deadline for any given quarter should, prior to registration, receive notification of registration procedures. The student will be assigned an advisor who will continue to assist with his/her education program. Students are expected to complete registration on the dates announced. They must observe the procedure specified at the time. Students are not officially enrolled until they have completed all the requirements of registration. Registration after dates established on the calendar may be completed by presenting an acceptable reason for delay and by payment of the late registration fee. Registration delayed beyond the period established as the last date to register or add a class requires special permission from the Director of Admissions and may result in reduction of course load for the quarter.

CHANGE OF REGISTRATION

A student is allowed to change registration during the "Drop-Add" period at the beginning of each quarter. The following procedures are to be followed in adding or dropping courses:

- 1. Prepare a schedule adjustment form from the Admissions and Records Office.
- 2. Obtain advisor's signature.
- 3. Present the completed form to the Business Office and pay appropriate fees.
- 4. Return two (2) copies of form to the Admissions and Records Office and receive one copy which must be shown to the instructor whose course is being added.

Failure to follow these procedures will result in an "F" in a course the student did not attend or the student taking a course without receiving credit.

CANCELLATION OF SCHEDULED CLASSES

Any scheduled class may be discontinued by the College. The right is reserved to cancel when the number enrolled is deemed insufficient.

STUDENT LOAD

The average quarter hour load for a student should be 16 quarter hours of credit per term. Individual programs may require more or fewer quarter hours load for a particular term. A full-time student is one who is carrying 12 or more quarter hours of credit.

Faculty advisors may approve overloads subject to the following guidelines:

- 1. Students with a 2.5 GPA may take up to 19 guarter hours credit.
- 2. Students with a 3.0 GPA or better may take up to 21 hours credit.
- Students desiring to take 22 quarter hours credit or more should have the approval of both the faculty advisor and the Dean of Academic Affairs.
- Any exceptions to the above guidelines should have the approval of the Dean of Academic Affairs.

GRADING SYSTEM

The following grading system is used at Roane State Community College:

Grad	de	Quality Points Awarded Per Quarter Hour		
Α	Outstanding	4		
В	Above average	3		
С	Average	2		
D	Passing but below average	. 1		
F	Failing	0		

The scholastic standing of a student is expressed in terms of quality point ratio. A quality point ratio is the total number of quality points divided by the total number of quarter hours attempted, less the number of hours repeated. To meet degree requirements a student must maintain an over-all quality point average of 2.00.

Other markings which may appear on the grade report and/or transcript are as follows:

I	Incomplete
N	Audit, no grade or credit
P	In special cases a grade of Pass may be used
R	Repeated
S	Satisfactorily completed
W	Withdrew
X	No grade reported

The grade "X" indicates that the instructor had no grade to report. This grade should be used only in special circumstances, such as when a course does not end at the normal time and extends into the next quarter. The "X" carries no quality points and is not included in computing the grade point average.

The grade "S" indicates credit hours earned with no grade and with no quality points. This grade is used with certain transfer credit, such as CLEP exams and military service credit, that is not included in computing the grade point average or graduation honors.

The grade "I" indicates that the student was passing at the end of the quarter but has not completed all the work of the course as required by the instructor. The student is thus on notice that he/she should contact the instructor immediately in an effort to complete course requirements. This "incomplete" must be removed during the succeeding quarter, with the exception of Summer Quarter. Courses attempted which are incomplete are reflected on the academic record as hours attempted for which there is no credit established. This in turn affects the quality point average in the same manner as a failing grade. Should the "incomplete" not be removed, the quality point average will continue to reflect the "I" as a failing mark and will be interpreted as such.

At the discretion of the Dean of Academic Affairs, selected courses may be offered using a pass-fail grading system. A "P" indicates a passing grade in such cases. Students would receive 2.00 quality points per credit hour for a "P" and no quality points

for an "F." In all cases, the student would have the option of being graded by pass-fail, or the standard "A, B, C, D, F" method.

Repeated Courses

A student may repeat a course upon approval of his/her faculty advisor. The grade received in repeating the course supersedes all previous grades and is credited in the quarter in which the course is repeated.

In order that grade point averages may be adjusted appropriately, the student repeating a course must file a course repeat form with the Office of Admissions and Records.

Veterans or other eligible persons repeating courses for which they have a passing grade (D or higher) and for which they have been paid are cautioned not to claim this course for pay the second time.

Course Substitutions

Course substitutions require the approval of the student's advisor, the department head, and the Dean of Academic Affairs. A form for this approval is available from the Office of Admissions and Records and must be processed prior to registering for the course in question.

GRADUATION

All students must complete the general requirements as prescribed by the College and specific requirements set forth for the Associate Degree sought. Each student must file an Intention to Graduate form in the Office of Admissions and Records before the beginning of the quarter in which the student expects to graduate.

Graduation exercises are held only at the end of the spring quarter. Students who anticipate completing their work during the current calendar year, whose grade point average is sufficient for graduation, and whose names appear on the official graduation roster, may take part in graduation exercises.

DEFERRED GRADUATION

A student is permitted to graduate under a catalog under which he/she entered a program or under the catalog in effect at the time of graduation, provided that not more than five years have elapsed in the interim. If more than five years have elapsed, then the student must meet the requirements of the catalog in effect at the time of graduation.

GRADUATION WITH DISTINCTION

Students who have fulfilled all graduation requirements, who have completed a minimum of forty-five quarter hours at Roane State Community College prior to their final quarter, and who have been in residence for a minimum of three quarters prior to their final quarter are eligible for designation as honor graduates. Those who have a quality point average of 3.25 and less than 3.50 will be graduated Cum Laude; those who have a quality point average of 3.50 and less than 3.80 will be graduated Magna Cum Laude; those who have a quality point average of 3.80 or above will be graduated Summa Cum Laude.

A transfer student, in order to be eligible, must have made the required average on all work taken at Roane State Community College and must, in addition, have an overall average which meets the honors requirements; the final average may in no instance be

higher than that made at Roane State Community College. All grades for courses accepted for credit must be averaged in the grade point average to determine the honors graduation eligibility.

DEAN'S LIST

The Dean's List is the official medium for the institution to recognize outstanding academic accomplishment by students. Provision is made for recognizing full-time students who obtain the required quality point average for this honor. Full-Time—12 Credit Hours or more with 3.25-4.00 average.

PROBATION AND RETENTION STANDARDS

A minimum quality point average of 2.00 is required for graduation from Roane State Community College.

Academic Deficiency

A student who fails during any term to attain a cumulative GPA at or above the level indicated below for the credit hours attempted will be placed on academic probation for the subsequent term.

Quarter Hour Attempted	Minimum Cumulative GPA
0 - 21	No minimum
21.1 - 39.0	1.0
39.1 - 60.0	1.4
60.1 - 72.0	1.7
72.1 - 84.0	1.9
84.1 - and above	2.0

In order to remain in a health occupation program, the student has to obtain a grade of C or better in specialty courses. A "C" average must be maintained in related science courses.

Academic Suspension

At the end of the next term of enrollment, a student on academic probation who has failed to attain either the above cumulative standard or a 2.0 GPA for that term will be suspended for one term.

Each student who is placed on academic suspension will be notified by the Admissions Office. Any student has the right to appeal to the Admissions and Retentions Committee (composed of faculty, staff, and student representatives) for reinstatement. The student should notify the Admissions Office if he/she wishes to process an appeal.

If the Committee grants the reinstatement, the conditions of the reinstatement imposed by the committee must be clearly stated. These may include reduced course load, a review of program objectives with the Coordinator of Academic Advisement, regular meetings with a college counselor and/or regular progress reports to the academic adviser.

Grounds for Dismissal

A student may be dismissed from the College for any one or more of the following reasons:

- 1. Failure to meet minimum academic standards as stated in the above section.
- 2. Conduct of an unacceptable nature (see student handbook).

WITHDRAWALS AND HONORABLE DISMISSALS

Students finding it necessary to withdraw from the College should do so officially to maintain good standing and to assure readmission or honorable dismissal. Withdrawal procedures are as follows:

- 1. Initiate form in Admissions and Records Office.
- Secure clearance signatures (in sequence) from (1) Advisor (2) Instructor of any laboratory science course from which a student is withdrawing (3) Library (4) Admissions Office and (5) Business Office.
- 3. Return forms to Admissions Office.

After the drop deadline date, no student will be permitted to withdraw from the College and receive the grade of "W" unless documented proof of one of the following conditions exists, verifying that the mitigating circumstances developed after the drop deadline:

- Illness or injury of the student as verified by the RSCC student health service or the attending physician.
- 2. Serious personal problems as verified in writing by the student's parents, spouse, minister or physician.
- 3. Necessary change in work schedule verified in writing by the student's employer.
- 4. New employment as verified in writing by the employer.

All equipment belonging to the College must be accounted for or paid for and all financial obligations met. If it is impossible for the student to take these steps in person, they should be taken by a parent or a person acting as an agent for the student. The student may withdraw from the College with the grade of "W" through the dates specified on pages 6 and 7 with the grade of "W." Withdrawal after this date must be approved by the Director of Admissions. A student who stops attending classes and fails to follow the proper withdrawal procedure will be carried on the roll until the end of the quarter and a grade of "F" assigned.

SOCIAL SECURITY ADMINISTRATION

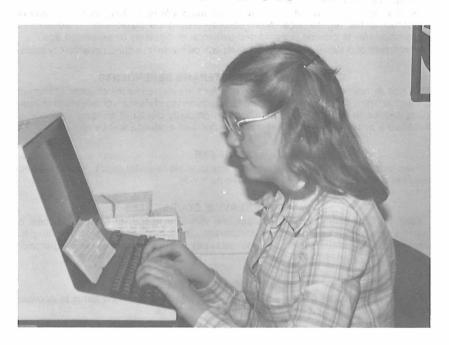
The Admissions and Records Office cooperates with the Social Security Administration by certifying that students eligible to receive Social Security benefits are enrolled at Roane State.







BUSINESS INFORMATION AND EXPENSES



BUSINESS REGULATIONS

Tuition and fees are assessed and payable at the beginning of each quarter. Registration is not considered to have been completed until all assessed tuition and fees have been paid. Tuition and fees paid by check are not considered to have been paid until the check has cleared the bank. Students who have not met all financial obligations to the College will not be permitted to attend classes. No student will be permitted to re-enroll, graduate, or receive a transcript until all financial obligations to the College have been satisfied. All tuition and fees are subject to change by direction of the Tennessee State Board of Regents.

TUITION

Tuition is free to all residents of the state of Tennessee. Students classified as non-residents will be assessed tuition at the rate of \$28.00 per quarter hour, not to exceed \$334.00 per quarter. The definition of residency as determined by the State Board of Regents will apply. Information concerning residence classifications may be obtained from the Director of Admissions and Records. Non-resident students will be accepted, if space permits.

MAINTENANCE FEE

All students, both resident and non-resident, will be assessed a maintenance fee of eight dollars per quarter hour, not to exceed \$90.00 per quarter.

ELDERLY AND DISABLED PERSONS

Disabled persons and persons *sixty* years of age or older, who are domiciled in Tennessee, are eligible to enroll in courses for AUDIT without payment of tuition, maintenance, student activity or registration fees.

Disabled persons and persons *sixty-five* years of age or older, who are domiciled in Tennessee, are eligible to enroll in courses for CREDIT at the rate of \$3.50 per quarter hour up to a maximum of \$30.00.

Special fees (such as laboratory fees, graduation fees, parking fees, etc.) will be assessed at the regular rate. Arrangements should be made well in advance of registration day to provide documented evidence of disability or advanced age.

Enrollment of disabled or elderly students will be made on a space availability basis.

VIETNAM CONFLICT VETERANS DEPENDENTS

All tuition, maintenance, activity and otherfees are waived for the *children* of Vietnam conflict veterans if the conflict veteran *died* while serving in Vietnam or as a result of injury sustained while serving in Vietnam, or was officially declared missing in action or declared a prisoner of war in Vietnam. Documented evidence will be required.

AUDIT FEE

Feesfor courses being audited are the same as those taken for credit. Auditors are not required to take examinations and receive no credit.

COMMUNITY SERVICE COURSE FEES

Fees for Community Service courses will vary with length of the course, cost of materials provided, equipment, or miscellaneous resources. Students enrolling for Community Service courses are not required to pay an application fee or late registration fee.

SUMMER QUARTER FEES

The Summer Quarter consists of a full-quarter term, two separate terms of approximately five weeks each, or three triple accelerated terms.

Students may register for the entire quarter, for the two separate terms, for three triple accelerated terms, or any combination thereof. Tuition and fees for the entire Summer Quarter are the same as for other quarters. Students are required to indicate at the initial enrollment for the Summer Quarter if they wish to be assessed for the full quarter at the rate of \$8.00 per quarter hour, not to exceed \$90.00, or if they wish to be assessed at the rate of \$8.00 per hour in which case a student taking a total of more than 12 quarter hours during the two separate terms would be required to pay more than the maximum of \$90.00. Once the student has indicated his/her election, he/she may not shift from one plan to the other. The Business Office will assist a student in selecting a plan that is to the advantage of the student.

OTHER FEES

- **Application Fee**—Each student applying for admission to the College for credit courses for the first time will be assessed a \$5.00 application fee. This fee is a one-time only fee, is not applicable to the maintenance fee, and is not refundable.
- Campus Access Fee—This fee replaces the Motor Vehicle Registration Fee and will be assessed in addition to the Student Activity Fee.
 - 1. Each student who registers for classes on the main campus or at Roane State/Oak Ridge will be assessed a \$1.00 campus access fee each quarter. This will include students registering for credit classes as well as Community Service/Continuing Education classes.
 - 2. Faculty and Staff will be assessed an annual campus access fee of \$4.00. Persons who are employed Spring Quarter or after will be assessed a campus access fee of \$2.00.
 - 3. All faculty, staff, and students who pay the campus access fee will be given a parking decal. Additional decals will be available at the cost of \$1.00. The decal(s) issued will be valid from September 1 through August 31 of the following year.
 - 4. All vehicles parked or operated by any person in connection with their employment or attending classes of the college must be registered with the Dean of Students' Office.
- **Change of Schedule Fee**—Students changing schedules after registration day will be assessed a fee of \$5.00. This fee is not refundable. Students withdrawing from school entirely are not required to pay this fee. The fee is not charged for changes that are necessary because of institutional action.
- **Graduation Fee**—Graduating students are assessed a fee of \$20.00 to cover the cost of a diploma and other related costs. This fee must be paid at the beginning of the quarter in which a student is scheduled to graduate. This fee is not applicable to certificate graduates. This is a one time fee and is not refundable.
- I.D. Card—There is no charge for the original I.D. card issued a student. A charge of \$1.00 will be made for replacing a lost I.D. card.
- Individual Instruction in Music—Quarterly fees for individual instruction in music are assessed as follows:

Full-time students 1 lesson per week \$20.00

2 lessons per week \$30.00

Part-time students 1 lesson per week \$30.00

2 lessons per week \$60.00

- Late Registration Fee—Students failing to complete the registration requirements on the appointed registration day will be assessed a late registration fee of \$10.00. This fee is not refundable.
- **Liability Insurance Fee**—A yearly liability insurance fee will be required for students in the health occupation programs. The liability insurance will be purchased at a reduced group rate.

Lock or Key Replacement Fee—\$3.00

Miscellaneous Fees—A fee will be charged for courses utilizing some off-campus facilities. This fee will be based on the cost to the college for the rental of the facility. A fee may also be charged for some field trips and for some courses requiring special materials. This fee is not refundable.

Musical Instrument Rental Fee—\$5.00 per quarter.

- Returned Check Fee—A fee of \$5.00 is assessed for each check returned to the College by the bank. A student may contest this fee successfully by presenting a letter from the bank in which it is clearly indicated that the check was returned through error by the bank. The College reserves the right to refuse to accept a check for any purpose from persons who have developed a record of presenting checks that have subsequently been returned by their bank.
- Student Activity Fee—\$1.00 per quarter for Fall, Winter, and Spring Quarters for each credit student enrolled in classes at Roane State-Harriman and Roane State-Oak Ridge.
- **Transcripts**—There is no charge for a transcript. However, the college has the right to limit transcripts provided at any one time to a reasonable number.

REFUNDS

- **Regular Sessions**—Students withdrawing from school entirely or dropping one or more classes may be entitled to a refund as follows:
 - 75% of fees will be refunded for drops or withdrawals for a period of 14 calendar days beginning with and inclusive of the first official day of classes or within an equivalent period for a short term course.
 - 25% of fees will be refunded following expiration of the 75% period, for a period of time extending 25% of the time period covered by the term. No refunds will be made beyond the 25% period.
 - 100% of fees will be refunded for classes cancelled by the institution.
 - 100% of fees will be refunded for drops or withdrawals prior to official registration.
 - 100% refund in case of death of the registered student.
- **Summer Sessions**—Summer session refunds will be based on the above with short terms being prorated as a percentage of a regular term.
- Community Service Courses—Fees charged for Community Service courses are refundable in the following manner: (1) 100% refund if the class is dropped prior to the first class meeting, (2) 70% refund if the class is dropped after the first class meeting, but prior to the second class meeting, and (3) no refund is made after the second class meeting, for individual classes missed, or for programs of fewer than 10 contact hours. All refunds will be made promptly.
- **General Refund Policy**—No refund is due on courses which are dropped unless the sum of the remaining hours calculated at the hourly rate is less than the total amount paid for tuition and or maintenance fees.

Refunds are calculated from the date that appears on the official change of schedule form completed by the Office of Admissions and Records. Students should be careful to complete the official change of schedule in the Office of Admissions and Records promptly. Failure to do so will result in the forfeiting of all rights to a refund.

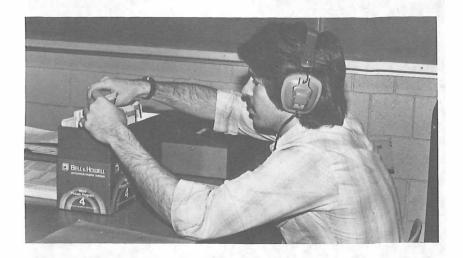
Refunds can be expected approximately three to four weeks into the quarter.

BOOKS AND SUPPLIES

The cost of books and supplies will vary from one program to another. The College Bookstore sells both new and used books. Students are encouraged to take advantage of savings which result when purchasing used books. The cost of books and supplies will probably range from \$35-\$70 per quarter.

Book Buy Backs—The College Bookstore will buy back used books in good usable condition in quantities limited to the anticipated needs for ensuing quarters. Book buy back periods are announced at the end of each quarter.

Students selling books back to the bookstore will be required to furnish suitable identification, such as a Roane State Community College ID card, a valid Tennessee driver's permit, or a Social Security card.









SCHOLARSHIPS, FINANCIAL AID, AND VETERANS AFFAIRS



STUDENT FINANCIAL AID

The Student Financial Aid Program at Roane State Community College is designed to aid students who would find it difficult or impossible to attend college without financial assistance. Roane State offers a comprehensive program of financial aid in the form of scholarships, part-time employment, grants, and loans. Major emphasis is placed upon financial need, academic achievement, character and promise of future success.

When determining financial aid, the evaluating committee will consider the financial resources of the family as well as any unusual financial problems. The college will assist all qualified students as resources permit on a first-come, first-served basis. Therefore it is important for students to apply for financial aid as early as possible alter January of each year.

SCHOLARSHIPS

State Board Work Scholarships are authorized by the Tennessee State Board of Regents, the governing body of the State University and Community College System. These scholarships are in the amount of maintenance fees for the academic year and are awarded on the basis of achievement and needs of the student. Students ranking in the upper 5% of their high school graduating class will be given priority in the awards of these scholarships. Students recognized as having exceptional promise are also eligible to apply. They must maintain a grade point average of 2.8 to remain eligible for renewal.

The State Board Scholarship recipients are required to work approximately 95 hours per academic year. An effort is made to give recipients work assignments related to their academic interest. Residents of the State of Tennessee who believe they are qualified should submit an application after the first semester of their senior year in high school and before the following May 1st.

PRIVATE SCHOLARSHIPS

Roane State has a limited number of private scholarships. In selecting recipients for these scholarships, emphasis is placed upon scholastic achievement, character, future promise, and financial need.

Additional scholarships will be established as interested groups and individuals desire. Those wishing to establish a scholarship fund are urged to contact the Director of Scholarships and Financial Aid at the college.

Available scholarships are:

American Contract Bridge League Scholarship Annakusa Junior Women League Scholarship Bank of Oak Ridge Scholarship Bernard Scholarship Award Burlington Scholarship Charles Bacon Scholarship Clarice Bunch Scholarship DKG-Buckner Scholarship Harriman Business and Professional Women's Club Scholarship Harriman Kiwanis Club Scholarship Harriman Music Club Scholarship Harriman Rotary Club Scholarship Insurors of Anderson County and Oak Ridge Scholarship Kingston Business and Professional Women Scholarship Kingston Lions Club Scholarship Loudon Memorial Hospital Fund Maryville-Alcoa Jaycees Scholarships Myrle's Florist Scholarship

Oak Ridge Business Community Scholarship Fund
Phil Resseguie Memorial Scholarship Fund
Red Kap Industries Scholarship
Roane Choral Society Scholarship
Roane County Home Demonstration Council Scholarship
Rockwood Business and Professional Women's Club Scholarship
Tennessee Valley Authority—Roane State Community College Financial Assistance
Program
Town and Country Home Demonstration Club Scholarship
United Church of Oak Ridge Scholarship
Veterans Club Scholarship

ATHLETIC SCHOLARSHIPS

The College annually awards a number of athletic scholarships. For detailed information contact the Director of Athletics.

ARMY ROTC SCHOLARSHIPS

The Army ROTC Scholarship program offers financial assistance to outstanding young men and women in the Army ROTC program who are interested in the Army as a career. Each scholarship provides for free tuition, textbooks, and laboratory fees in addition to a subsistence allowance of \$100 per month for the period that the scholarship is in effect. Scholarships may be awarded for either one, two, three or four years. High school seniors should contact their guidance counselors early in November or December of their senior year to apply for the four-year scholarship. One, two and three year scholarship applicants should contact the Director of Scholarships and Financial Aid or the ROTC Instructor for further information. Certain other privately financed scholarships and grants are available to ROTC cadets.

BASIC EDUCATIONAL OPPORTUNITY GRANTS

This is a direct grant (no repayment or work requirement) from the federal government based primarily on the family's financial situation. The amount of the grant ranges between \$226 and \$888 for the school year and must be used for expenses related to attending Roane State. Such expenses include fees, books, transportation, room and board, and other related expenses.

Application forms are available from the College or from high school guidance offices.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS

Federal funds are available to colleges and universities for the purpose of providing grant assistance to undergraduate students of exceptional financial need who would not, except for the grant, be financially able to attend college. Supplemental Educational Opportunity Grants must be matched in equal amounts by other financial aid provided by the college such as other scholarship aid, loans, or student employment.

Applicants for Supplemental Educational Opportunity Grants must be enrolled or accepted for enrollment and show evidence of academic or creative promise and capability of maintaining good standing.

Grants may be renewed from year to year for the first four years of undergraduate study provided the student continues to make satisfactory academic progress. All students who apply for financial assistance are automatically considered to determine if they meet the requirements to receive a Supplemental Educational Opportunity Grant.

TENNESSEE STUDENT ASSISTANCE AWARD

In 1971, the Tennessee Student Assistance Corporation was created to administer the Tennessee Student Assistance Award Program. Under this program, Tennessee residents who need financial assistance may receive a grant to cover tuition and fees at the college of their choice in the state.

Application forms may be obtained from high school guidance offices, college financial aid offices, or by contacting

Tennessee Student Assistance Corporation B-3 Capitol Towers Suite 9 Nashville, TN 37219

LOANS

NATIONAL DIRECT STUDENT LOANS

National Direct Student Loans, previously known as National Defense Loans, are available to students through funds provided jointly by Roane State Community College and the Federal Government.

These are long-term, low-interest loans on which repayment does not begin and interest does not accrue while the borrower is enrolled as a student, on at least a one-half time basis, at a college or university. Repayment of principal and 3% annual interest begins 9 months after the student leaves college. There are cancellation provisions of the National Direct Student Loan under which a student may have up to the total amount of the loan cancelled by teaching in special education, in certain schools with a high enrollment of students from low-income families, or in Head Start programs.

FEDERAL INSURED STUDENT LOANS

Under this program, sponsored jointly by the Federal Government and the State of Tennessee, a Tennessee resident may receive long-term, low-interest loans from a participating bank or other lending institution to apply toward expenses related to education. Repayment, at 7% simple interest, begins 9 months after graduation or withdrawal from school. While the recipient remains enrolled, any interest is paid by the federal government.

Loans are usually made by the student's hometown bank or any other lending institution where the student or family is known. Application forms and information concerning the names of participating institutions are available in the Roane State Office of Financial Aid

PART-TIME EMPLOYMENT

COLLEGE WORK-STUDY PROGRAM

Under the College Work-Study Program, funded jointly by college and federal funds, students may work on a part-time basis in order to help finance their education. Students who qualify for participation in this program may work up to 20 hours per week during the academic year when classes are in session or up to 40 hours per week when classes are not in session. During summer quarters, students may work up to 40 hours per week if they intend to enroll in the following fall quarter. Minimum rate of pay is the prevailing minimum wage. The type of employment varies depending upon the skills and the department in which the student is working. An effort is made to assign students jobs in

areas in which they are interested such as faculty and administratitive offices, various laboratories, the library, maintenance and security, and other areas which can effectively supervise and utilize students' help. The college regards this work experience not only as a source of supplementary income but especially as an opportunity for the student to learn dependability, initiative, and the importance of a good work record.

HOW TO APPLY FOR FINANCIAL AID

All federal financial aid programs require the assessment of financial need, which is based on parental ability to contribute toward educational expenses. In addition to the College's application, a student should complete either the Parents' Confidential Statement of College Scholarship Service or the Family Financial Statement of the American College Testing Program. These two forms are available from the College or from high school guidance offices. Students may use the ACT or PCS form to apply for the Tennessee Student Assistance Award and the Basic Educational Opportunity Grant but the application must be submitted on or before May 15 of each year. June 1 is the priority date for applying for aid. After this day aid will be awarded on a first-come, first-served basis as long as there is money available. A student must be fully admitted to the College before aid will be awarded although students may participate in the College Work Study Program during the summer prior to admission the following fall quarter.

Information regarding student financial aid may be obtained by contacting the Office of Scholarship and Financial Aid. Renewal of aid is not automatic. Each student must file a new application each year.

VETERANS AFFAIRS

Roane State Community College cooperates with the Veterans Administration in providing educational opportunities for veterans. The Director of Veterans Affairs at Roane State is available for help in determining eligibility, selection of a major, preparing the required form for VA benefits, or any other matters pertaining to college attendance under the "G. I. Bill." Veterans who have not completed high school or who do not have a high school equivalency diploma should contact the Director of Veterans Affairs for help in planning their program of study for admission to Roane State.

Veterans desiring to attend Roane State under any of the educational assistance laws administered by the Veterans Administration should contact:

Director of Veterans Affairs Roane State Community College Harriman, TN 37748 Veterans Administration Regional Office or 110 Ninth Avenue South Nashville, TN 37203

Once enrolled, veterans and other eligible persons should maintain close contact with the Office of Veterans Affairs. Information important for personal and educational plans is frequently received from the Veterans Administration. Veterans and other eligible persons are eligible to receive educational benefits under Title 38, U.S.C., (the "G. I. Bill") only when classified as a regular degree student or an adult special-veteran. Other classifications, i.e., special student-credit and student non-credit (see pages 31 and 32), are not qualifying. The progress of each adult special veteran student will be evaluated at the end of each quarter. Those students making satisfactory progress as reflected by class attendance and participation, grades achieved, and the opinions of the respective teachers will be retained in the program. Those making unsatisfactory progress will be excluded from the program. Those who demonstrate ability to carry the college level courses required by their major may be admitted as regular degree students.

Current Veterans Administration regulations require that veterans classified as regular degree students maintain the prescribed cumulative GPA listed on page 40. In addition,

the Veterans Administration limits the enrollment of a veteran to eight full-time quarters for those majors requiring 99 hours. Additional quarters are allowed for those majors requiring more than 99 hours. The Veterans Administration also requires those veterans who accumulate more than 12 hours of "F" grades to be reported for purpose of counseling. Benefits will be terminated until the veteran is counseled by a VA counselor and approval given for continuation of studies.

Courses for which the veteran and other eligible persons have received a passing grade, either at Roane State or transferred from another institution, may not be claimed for pay the second time. Courses in which the veteran and other eligible persons receive a grade of "F" may be repeated and claimed for pay. Elective hours beyond those allowed by the curriculum of the declared major or courses taken for audit may not be claimed for pay. Only those courses which count toward the veteran's declared major may be claimed for pay. A claim form for such courses must be completed each quarter and filed with the Veterans Affairs Office. Course substitution must be processed and approved as described on page 39 before the substituted course is claimed for payment.

Educational benefits will be terminated for those courses in which the veteran and other eligible persons have excessive, unexcused absences. This does not affect the right of the student to continue attending the course, provided he/she has been properly enrolled.

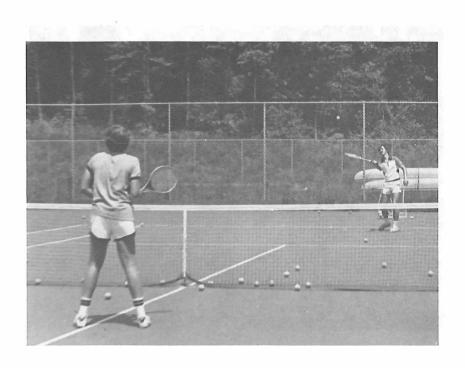
Veterans and other eligible persons desiring educational benefits under the "G. I. Bill" must file a claim form with the Veterans Affairs Office at the time of pre-registration each quarter. The claim form must be adjusted to reflect any further changes in the class schedule.

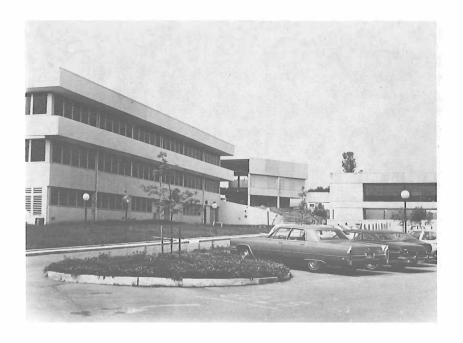
Further information is available at the Veterans Affairs Office.

CETA CONSORTIUM

In 1975, Roane State initiated a new program, funded under the Comprehensive Employment and Training Act (CETA), of training and offering financial assistance to a limited number of qualified students. The program provides academic training costs, part-time employment, and an allowance for travel to and from classes and work assignments. Based at Roane State, the program represents a consortium serving students in 42 counties at four community colleges across the state. The program is an integral part of the overall college experience and is coordinated through offices at the Roane State campus.













Student Services

Student Services comprise all the non-instructional services which Roane State Community College provides for its students. These services include academic, social, vocational and personal counseling, as well as financial aid, health services, and transfer assistance.

ORIENTATION FOR STUDENTS

All new students meet before Registration for Fall Quarter for the orientation program. One purpose of orientation is to introduce students to administrative officers and other student leaders. Another purpose is to help acquaint students with the campus and its facilities. The orientation activities are coordinated by the Student Personnel Services Office and are executed with the assistance of faculty members and Student Government Personnel. In addition to this type of orientation, all first time, full time students who take a majority of their courses on campus and/or in Oak Ridge are required to take Education 1000, Orientation to College, during their first quarter at Roane State.

COUNSELING AND TESTING CENTER

The Counseling Center was established to aid students in successfully completing their college work and establishing good foundations for future growth. The center is staffed by professionally trained counselors who provide services for a wide range of problems—educational, vocational and personal.

Confidentiality of counseling visits is assured so that students may feel free to discuss their concerns. Counselors also provide opportunities for students to develop interpersonal skills and to become more self-actualized using individual counseling, small group techniques, and courses in human development. Situations which cause students undue concern may disrupt their interpersonal relations and affect academic achievement. The Counseling Center provides the assistance and atmosphere to work through these problems.

Counseling may include aptitude, interest, achievement or personality tests as requested by the student. The counseling staff may also assist the student in securing services outside the College. A collection of occupational information materials and catalogs from various institutions is available in the center for student use.

GED TEST

Adults who have not received a high school diploma and wish to apply for a certificate of equivalency may take the General Educational Development Test at Roane State Community College, which has been established as an official center for this test. A counselor will explain requirements for taking the test and will assist applicants in the preparation of necessary application forms.

Satisfactory scores on the test enable the person to apply to his/her high school for an equivalency diploma. Persons who feel inadequately prepared to take the GED test can obtain assistance by taking a course entitled GED Preparation for High School Equivalency at the College.

ACT TEST

Roane State Community College serves as an area test center of The American College Testing Program (ACT). Tests are given on each of the national testing dates.

PLACEMENT SERVICE

The Placement Office provides assistance in securing positions for students and graduates of RSCC and maintains contact with alumni, business and industrial clients.

Candidates for a degree are required to file a personal data sheet with the Placement Office prior to graduation. It is recommended that this be completed at the time an Intent to Graduate form is filed with the Office of Admissions and Records.

The Placement Office also aids students in finding full-time, part-time, or summer employment. Students who are seeking employment are encouraged to visit the office.

HEALTH SERVICES

The health and safety of students is a concern of the Student Personnel Services Office. The requirement of a completed Health History Form prior to entrance is enforced. A clinic is maintained for student use in case of illness or accident occurring during the school day. A registered nurse is in charge to administer first aid and palliative treatment in minor illnesses and to offer suggested referrals when needed. Health consultations and a variety of health programs are offered through the clinic.

Since the college does not collect a health fee, each student is responsible for his/her medical bills for services rendered by private physicians/other facilities. Application and claim forms for student accident and sickness insurance plan may be obtained in the clinic.

STUDENT ACCIDENT AND SICKNESS INSURANCE PLAN

This plan provides protection 24 hours per day during the term of the policy for each student insured. Students are covered on and off campus, at home, and while traveling between home and school during interim vacation periods. Coverage is extended to provide up to 48 hours of actual travel time while enroute between home and school prior to the opening of school.

Application and claim forms may be obtained in the office of the Director of Student Activities.

TRAFFIC REGULATIONS

Registration of vehicles. All motor vehicles operating on the Roane State Community College campus must be properly registered. Vehicle registration should be completed during the process of academic registration. This campus sticker must be displayed in the manner prescribed in the instructions given each registrant. If late registration is necessary, details may be obtained from the Office of the Director of Student Activities.

Detailed regulations are contained in the "Student Handbook." It shall be the student's responsibility to familiarize himself/herself with these regulations and to abide by them.

HOUSING

Under State Board of Regents policy, Roane State Community College assumes no responsibility for student housing. This institution is primarily a commuting college and has no dormitories, fraternity or sorority houses.

The local news media and real estate agencies are able to provide comprehensive listings of available rental housing. As a service to students, the Office of Community Relations maintains a bulletin board of current rental listings as well as an information exchange for students seeking roommates. Students, however, are responsible for making arrangements to rent these facilities from owners or their agents. The bulletin board is located at the end of the first floor hallway, main classroom building. Additional information and forms for use on the board may be obtained in the Office of Community Relations

Students are required to register local addresses in the Admissions and Records Office for location purposes. Any change of address must be reported to the Admissions and Records Office. Failure to report a change of address subjects the student to disciplinary action.

SOCIAL RETENTION STANDARDS

A student who fails to conduct himself/herself in an acceptable way may receive disciplinary dismissal; or, if the proper committee sees fit, he/she may be placed on disciplinary probation for an indefinite period of not less than one quarter. A student on disciplinary probation must meet stated requirements of his/her probation and be again reviewed by the committee before being removed from disciplinary probation standing.

Activities

A well-rounded, integrated program of student activities is provided through student organizations. Students may choose from a variety of organizations depending upon their individual interests. These organizations include scholastic honoraries, departmental groups, service organizations, and special interest groups.

FINE ARTS

Concerts, lectures and special cultural events are sponsored by the College and the community for the enrichment of the college and community.

CLUBS AND ORGANIZATIONS

State Supported Organizations

CIRCA—The college news magazine edited and published by students during the year for the expression of student opinions, to inform students and staff of upcoming events both on and off the campus, and to release other information pertaining to or of interest to the students. The magazine is published under the advisement of the College Publications Committee, with a faculty advisor working closely with the staff of the magazine. The Publications Committee selects the Editor and Assistant Editor from applicants desiring to work in those positions.

STUDENT GOVERNMENT ASSOCIATION—The SGA provides opportunities for students to offer constructive opinions, thereby promoting cooperation among students, faculty and administration, and works for the common good of Roane State by assisting in the promotion of social activities and special projects on the campus.

Clubs and Special Interest Organizations

ALUMNI ASSOCIATION—The Alumni Association is an organization which aids RSCC in realizing its objectives by promoting the advancement of the educational, social, and economic interests of RSCC, its students, faculty, administration, friends, and alumni.

BSU—The BSU promotes interfaith as a way of life among college students. It provides a ministry to individuals in the campus community who have need for a personal relationship with Jesus Christ or who have a need for Christian growth.

CIRCLE K—An international organization open to all students which promotes the adoption of high social, business, and professional standards through service to the campus and the community. It is affiliated with Kiwanis International.

COAL MINING TECHNOLOGIES OF AMERICA—CMTA combines the mutual efforts of students and staff in the advancement of educational knowledge about and employment opportunities in the fields of mining and reclamation technology.

CONCESSIONS CLUB—The Concessions Club promotes Roane State and its athletic program through the sale of concession items at home athletic events and special college programs.

DRAMA CLUB—The Drama Club is responsible for presenting plays on the Roane State campus.

FORENSIC CLUB—The Forensic Club promotes competition in areas of debate, impromptu, extemporaneous, and after-dinner speaking.

GAMMA BETA PHI—A national honor society which encourages scholastic effort and rewards academic merit, stands for and promotes worthy character and high ideals, and fosters, disseminates, and improves education through appropriate service projects.

LITERARY CLUB—The Literary Club organizes and assists financially a literary magazine and promotes interest in the literary efforts of the students of Roane State and the surrounding community.

PHI BETA LAMBDA—Phi Beta Lambda is a national organization open to all students enrolled in business office or teacher education programs at the college. Its aim is to help develop vocational competencies among those students who accept the purposes of the organization and subscribe to its creed.

ROTARACT CLUB—The Rotaract Club is an international organization open to all students to develop leadership and responsible citizenship through service to the community, and to advance the cause of international understanding and peace, and to promote recognition and acceptance of high ethical standards as a leadership quality and vocational responsibility. It is affiliated with Rotary International.

SCIENCE FICTION AND FANTASY CLUB—The Science Fiction and Fantasy Club promotes within the college the spirit and increased awareness of science fiction fandom especially as reflected in literature and the movie industry.

WOMEN STUDENT ORGANIZATION—The WSO increases women's awareness regarding opportunities available to them at Roane State while fostering a better understanding and appreciation, on the part of the administration, of the needs of women students at the college. In addition, the organization provides materials and programs to inform women students of 1) continuing education, 2) career planning, 3) financial aid, and 4) personal growth opportunities as well as offering personal support and guidance to current and prospective students.

VETERANS CLUB—The Veterans Club provides a means whereby veterans can meet for social purposes and keep abreast of current legislation and regulations affecting veterans' educational benefits but, especially, to provide a means for veterans to continue serving their college, community, and nation.

INTRAMURALS

The Office of Student Activities conducts a diverse program of activities to provide students and staff the opportunity to participate in organized individual and team activities. The program does not require the intensified training and high degree of skill normally associated with varsity and/or professional competition. An individual's playing ability is not considered as important as the desire to enter into the true spirit of competition for the purpose of fun and relaxation. Participants, however, are expected to display good sportsmanship at all times.

The intramural program includes physical activities such as volleyball, flag football, basketball, and softball as well as less strenuous pastimes like chess, spades, and other card and table games. The final authority on all matters concerning intramural competition is vested with the Intramural Director.

In order to be eligible each participant must (1) be a bonafide student or staff member at RSCC; (2) not be a member of any varsity team competing in that sport intercollegiately; (3) not have played that intramural sport either professionally or semi-professionally. Participants who have previously competed in intercollegiate varsity competition in that sport *may* be eligible under certain restrictions.

RSCC can not assume responsibility for any injury(ies) incurred during practice for or participation in any of its intramural/recreational activities beyond the coverage extended to all students by Health Services.

ATHLETICS

Roane State competes in men's and women's basketball and tennis and men's baseball and golf as a member of the Eastern Division of the Tennessee Junior College Athletic Association.

In order for a student to participate in athletics, eligibility requirements of the National Junior College Athletic Association must be met. Any inquiries about athletics should be directed to the Department of Athletics located in the gymnasium.

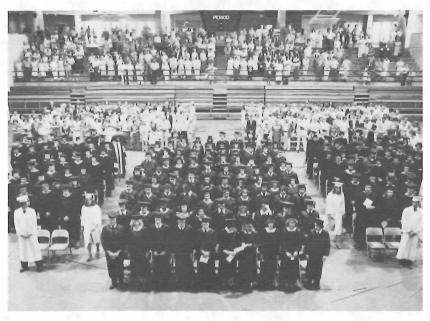
All RSCC students will be admitted to athletic contests upon presentation of a validated student identification card. An admission charge will be assessed all non-students.

Varsity cheerleading is open to both male and female full-time students. The election to the squad is accomplished through a series of tryouts and interviews, held each Spring. In addition, a student must meet academic eligibility requirements to participate. Information regarding tryouts and practices is posted in the Student Center as well as distributed to local high schools.





Awards Day, May 1979, marked the recognition of outstanding students by the various academic departments.



Graduation ceremonies, June 9, 1979.



ACADEMIC INFORMATION



PLANNING AN EDUCATIONAL PROGRAM

The responsibility for selecting an educational program rests with each student. The faculty and counselors take pride in assisting students in program planning and course selection. All students will be assigned an appropriate faculty advisor to assist them in their programs of study.

Students who are entering college for the first time and who will be full-time students (taking course loads of 12 quarter hours or more) are required to take a battery of placement tests before they register for their first quarter at Roane State. These tests are designed to be used by faculty advisors in helping students plan appropriate courses of study. Students who score below a tenth grade reading level on the Nelson-Denny Reading Test are required to take REA 1010 during their first quarter of enrollment at Roane State.

Some students may be required to meet further prerequisites to enter the program they select. In the best interests of the student, admission to a particular curriculum or to specific courses should be based upon evidence which would indicate a fair chance of satisfactory performance in the program or course.

Students who are planning to transfer from Roane State at the conclusion of two years' work to a four-year institution should secure a copy of that institution's catalog to use in planning their transfer program.

ATTENDANCE REGULATIONS

- 1. Attendance of classes and other official appointments is required.
- 2. An explanation of absences should be given to instructors. This information should be presented in advance if possible.
- 3. Absences are counted from the first scheduled meeting of the class.

IMPORTANT: Non-attendance does not constitute a withdrawal from classes or from the College. Procedures to follow to formally drop a course (see page 37) or to withdraw from the College (see page 41) must be followed. IT MAY PREVENT YOUR RECEIVING AN UNDESIRED "F" ON YOUR TRANSCRIPT.

OBJECTIVES OF THE CURRICULUMS

The two-year programs of study available at Roane State Community College are described in the following pages. The four objectives of the curriculums are (1) to prepare students for advanced standing in other colleges and universities after successfully pursuing a Roane State Community College program; (2) to prepare students for entrance to certain professional schools whose admission requires one or two years of college experience prior to enrollment; (3) to offer a continuity of courses to give students an opportunity to explore interests and abilities in several fields of study so that they may plan more realistically for the continuation of their education; and (4) to prepare students to enter technological areas which require additional education beyond high school.

Students planning to transfer into special programs at senior institutions should work with the faculty advisor, using the appropriate check sheet of the institution to which they will be transferring.

DEGREES OFFERED

Roane State Community College awards the Associate of Arts Degree and the Associate of Science Degree. A Certificate of Proficiency may be awarded to a student who completes any prescribed program of less than an Associate Degree.

GENERAL DEGREE REQUIREMENTS

The general requirements for an Associate Degree at Roane State Community College are as follows:

- 1. Not less than 99 quarter hours of credit.
- A minimum of 36 of the final 48 quarter hours of course work completed in residence at Roane State Community College.
- 3. A minimum over-all quality point average of 2.00 ("C") on all work attempted at Roane State Community College. In no case may transferred grades be used to raise the student's quality point average on courses taken at Roane State Community College; his/her average on all courses here must be "C" (2.00 or better).
- Completion of specific course requirements as given in outlined Programs of Study. (Substitutions in programs must be approved by the Dean of Academic Affairs.)

CORE CURRICULUMS

The general (transfer education) core curriculum below is for students primarily planning to transfer to senior institutions immediately upon graduation from Roane State Community College. The career education core curriculum below is primarily for students planning immediate employment upon graduation. The minimum expectation for graduation in a particular program is outlined on the following pages of the Degree and Certification Programs section.

The establishment of two core curriculums for Roane State Community College provides flexibility for the "undecided major" student to change course objectives and to redirect his/her academic pursuits without undue penalty and hardship. The two cores are as follows:

GENERAL CORE CURRICULUM

Area of Study	Minimum Quarter Hours Required
American History	
English Composition	
Humanities (To include six hours of literature)	
Mathematics	
Natural/Physical Science ¹	
Orientation to College ²	
Physical Education Activities ³	

¹Requirement must be met from the same sequence. Student may select Biology, Chemistry, Geology, Natural Science, or Physics.

CAREER EDUCATION CORE CURRICULUM

Area of Study	Minimum Quarter Hours Required
Humanities (To include six hours composition)	
Orientation to College ¹	
Physical Education Activities ²	
Social Science Elective	

Required of all first time, full time students who take a majority of courses on campus or at Oak Ridge.
Students completing a majority of their courses in the evening or at off-campus locations other than Oak Ridge may substitute a three-hour Health or Recreation course (one not required by their degree program) to fulfill this requirement. A petition for substitution must be filed with the office of Admissions and Records.

²Required of all first time, full time students who take a majority of courses on campus or at Oak Ridge.

³Students completing a majority of their courses in the evening or at off-campus locations other than Oak Ridge may substitute a three-hour Health or Recreation course (one not required by their degree program) to fulfill this requirement. A petition for substitution must be filed with the office of Admissions and Records.

LIBRARY

The library serves, primarily, the students and faculty of the college and, secondarily, members of the surrounding communities. In its collection of books, periodicals, microfilm, recordings, and other audio/visual material the library makes available resources to support the curriculum and to provide for recreational reading.

Hours are 7:45 a.m. to 10:00 p.m. Monday through Thursday and 7:45 a.m. to 5:00 p.m. on Friday. Special additional hours will be announced. Members of the library staff are available whenever assistance is needed.

The Library of Congress classification system is used and books are shelved in open stacks for self-service. Books may be checked out for a two-week period with renewal privilege. No fines are charged for overdue books, but all overdue books are subject to recall at any time by the Librarian. Borrowers are responsible for replacement of lost or damaged materials.

Interlibrary loan service is available to all patrons so that material not owned by the Roane State library may be borrowed from another library. Information is available from any member of the library staff.

Gifts to the library are welcomed. However, the library staff reserves the right to (1) evaluate the usefulness of the gift prior to its acceptance, (2) use the gift in any manner that will be most beneficial to the library and (3) at the discretion of the Librarian, discard any gift that is no longer useful. The Librarian welcomes recommendations on the purchase of new material from both students and faculty.

LEARNING LABORATORY

The main purpose of the Learning Lab is to personalize instruction by providing unique and individualized learning situations for all students. This room contains the latest equipment in audio-visual techniques including tape-recorders, slide viewers, film strip and film loop viewers and computer-assisted instruction. These resources are available for use by all Roane State students, faculty and staff.

EVENING COURSES

Roane State Community College is dedicated to the philosophy that education is a never-ending process; it continues throughout the lifetime of an individual. Thus, the college makes every effort to offer the advantages of at least part of its total program to every person in the community who can benefit from the experience.

The evening program at Roane State Community College is more than a separate series of night classes designed for students beyond the traditional college age. The College instead offers a full selection of courses from 8:00 a.m. until 9:15 p.m., enabling students of all ages to schedule classes at times convenient and suitable to their needs. Roane State Community College believes that the resulting association of older students, having a background of work and life experiences, with recent high school graduates is mutually beneficial.

Two full years of college training can be completed during the evening, and the requirements can be met for many of the Associate of Arts or Associate of Science degrees. Evening students must meet the same degree requirements as those attending day classes (with the exception of physical education, which may be waived under certain conditions). Experienced advisors and counselors are available to those evening students desiring help in planning a degree or a certificate program.

OFF-CAMPUS COURSES

Roane State Community College also offers both day and evening classes in many locations throughout its service area. Classes are offered in off-campus locations for

the benefit and convenience of students in its large service area, giving many students a chance to continue their education who would otherwise be unable to because of time or travel restrictions. These classes are staffed by qualified instructors from the academic divisions of the college and are of equal quality to the same courses on campus. Nearly all courses offered on campus can also be offered off-campus, with the exception of certain courses requiring special equipment. Most of the requirements for many Associate of Arts or Associate of Science degrees can be completed at off-campus locations. Experienced advisors and counselors are available to off-campus students desiring help in planning a degree or a certificate program.

COMMUNITY SERVICES PROGRAM

In addition to credit courses, special non-credit courses reflecting community interest may be organized at the request of a sufficient number of interested persons. Individuals may pursue these special offerings for personal enrichment, to comply with business or industrial opportunities and/or requirements, for specific technological information and for general cultural benefits. Students taking courses for non-credit are not required to follow the same admissions procedures as those students in degree courses.

The Community Service Program of the college includes a variety of activities which are offered in cooperation with community groups and agencies. The program offerings are in accord with the public's needs and interests and include such activities as lectures, clinics, short courses, conferences, forums, concerts, fine art festivals, workshops, institutes, community utilization of college facilities, self-development functions and community development functions. The college welcomes the opportunity to meet with representatives in our community (e.g. educational, governmental, industrial and business organizations) to plan special types of training or activities that might be beneficial to their organization or to our community.

All inquiries in the area of community service non-credit courses should be directed to:

Director of Continuing Education Roane State Community College Harriman, Tennessee 37748

Inquiries concerning credit courses should be directed to:

Director of Educational Support Services
Roane State Community College
Harriman, Tennessee 37748

COOPERATIVE EDUCATION PROGRAM

The Cooperative Education program provides a balanced education using classroom theory in real employment situations. Cooperative Education programs bring business, industry and government into direct cooperation with students and educators where employment is considered to be a regular, continuing, and essential element in the education process. The length of cooperative education employment varies from one to four quarters and must be in a job related to the student's academic major or in a career area that the student is exploring. In addition, Roane State participates through consortium agreements with senior institutions. Roane State students who intend to transfer to a senior institution may be placed on a co-op work experience arranged by the senior college.

Students wishing to participate in the cooperative education program must make application to the coordinator of Cooperative Education. After the application is reviewed, both the coordinator of Cooperative Education and the academic department in which the student is enrolled or exploring must approve and supervise the cooperative work experience.

TRANSFER PROGRAMS

College transfer curriculums are designed for students who intend to transfer to senior institutions. A student who is planning to transfer from Roane State Community College to a four-year institution should secure a copy of the catalog of the four-year institution selected and have it available during the registration period for use in planning his/her transfer program.

SUMMARY OF PROGRAM OFFERINGS

DEPARTMENT	MAJOR	OPTION WITHIN MAJOR	DEGREE
Humanities	General	Art	AA
	General	General	AA
Humanities	General	Music	AA
Social Science	General	Social Science	AA
Humanities	General	Art	AS
Education	General	Art Education	AS
Math/Science	General	Biology	AS
Career Education	General	Business Administration	AS
Education	General	Business Education	AS
Math/Science	General	Chemistry	AS
Education	General	Early Childhood Education	AS
Education	General	Elementary Education	AS
	General	General	AS
Health, Physical Education and	General	Health, Physical Education and	
Recreation	General	Recreation	AS
Math/Science	General	Mathematics or Physical Science	AS
Education	General	Music Education	AS
Math/Science	General	Pre-Engineering	AS
Math/Science	General	Pre-Med, Pre-Dentistry, Pre-Pharmacy	/ AS
Math/Science	General	Pre-Nursing	AS
Education	General	Secondary Education	AS
Social Science	General	Social Science	AS
Education	General	Special Education	AS
Career Education	General	Technology	AS

CAREER EDUCATION

The expanding economy and the increased emphasis upon scientific research and development have brought about an ever increasing demand for the well educated person to work with and under the supervision of the scientist, the engineer, the doctor, and the management of the business world. The responsibilities of this person, educated in the broad spectrum of the technologies, will continually be confronted with the acquisition of new competencies as this nation becomes more industrialized and new job classifications emerge. These new jobs are requiring education at the college level.

The gap between the skilled craftsperson and the professionally trained person has become more pronounced. Communication between these two areas is becoming more and more difficult. The semi-professional person, educated in the technologies, will bridge the existing gap. He/she may work with the scientist or engineer as a laboratory assistant or on some special assignment involving the skills of the skilled craftsperson. He/she may work with the medical profession as a technically trained person in the many areas that now exist in medical science. He/she may work as a specialist in the complex business areas.

The career education programs at Roane State Community College are in the areas of accounting technology, business administration technology, coal mining technology,

computer science technology, dietetic technology, electronics technology, engineering technology, fire science technology, general business administration, general clerical, management and supervision technology, medical record technology, police science, radiologic technology, recreation management, and secretarial science. The programs are constructed so that the student may seek employment at the completion of his/her program or transfer to a four year institution for upper level training.

SUMMARY OF PROGRAM OFFERINGS

DEPARTMENT	MAJOR	OPTION WITHIN MAJOR	DEGREE
Business	Business Management	1-10	- 497 East
	Technology	Accounting	AS
		Banking	AS
		General Business	AS
		Insurance	AS
		Management and Supervision	AS
		Savings Association	AS
-		Small Business	AS
Engineering	Cool Mining Tooksology	Deep Mine	40
Technology	Coal Mining Technology	Deep Mine Surface Mine	AS AS
Business	Computer Science	Surface Mille	AS
Dusiness	Computer Science Technology	Business	AS
	reclindingy		AS
Allied Health	Diatatia Tachaslasu	Scientific (transfer)	
Engineering	Dietetic Technology		AS
Technology	Electrical and Electronics		
recimology	Technology		AS
Engineering	recritiology		AS
Technology	Engineering Technology	Chemical Engineering	AS
roomlology	Engineering recrimetery	Civil Engineering	AS
		Electrical Engineering	AS
		Mechanical Engineering	AS
		Nuclear Engineering	AS
Engineering		readical Engineering	710
Technology	Fire Science Technology	Fire Service	AS
3,		Fire Protection	AS
		Fire Science (transfer)	AS
Allied Health	Medical Laboratory	,	
	Technology		AS
Allied Health	Medical Record Technology		AS
Engineering			
Technology	Mini/Microcomputer		
	Technology		AS
Nursing	Nursing		AS
Police Science	Police Science and		
	Criminology Education	Corrections	AS
		Police Science	AS
Allied Health	Radiologic Technology		AS
	Recreation Management		
Recreation	Technology		AS
Allied Health	Respiratory Therapy		
	Technology		AS
Business	Office Administration	Executive Secretary	AS
		General Clerical	AS
		Medical Secretary	AS
Engineering			
Technology	Drafting and Design		Certificate
Engineering			
Technology	Electronics		Certificate
Business	Secretarial Science		Certificate
Engineering			
Technology	Surveying		Certificate

DIVISIONS AND DEPARTMENTS OF INSTRUCTION

ARTS AND SCIENCES

Education

Developmental Studies

Education Reading

Health, Physical Education, and Recreation

Health

Physical Education

Recreation

Humanities

Art

Enalish

Journalism

Language

Music

Philosophy Speech

Mathematics and Sciences

Biology

Chemistry Geology

Mathematics Natural Science

Physics

Social and Behavioral Sciences

Geology

History

Political Science

Psychology

Social Science

CAREER AND EXTENDED EDUCATION

Allied Health

Dietetic Technology Medical Laboratory Technology Medical Record Technology Radiologic Technology

Respiratory Therapy

Business and Economics

Business Computer Science Economics Office Administration

Engineering Technology

Coal Mining Technology Electrical Electronics Engineering Technology

Fire Science

Mini/Micro Computer Technology

Operating Engineering

Technology

Nursina

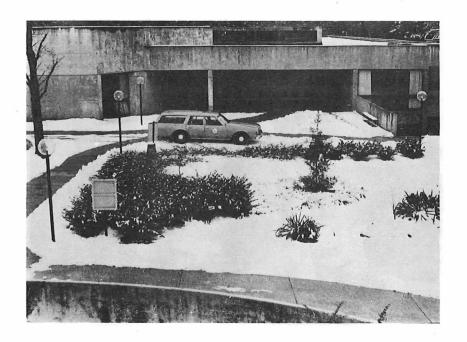
Police Science

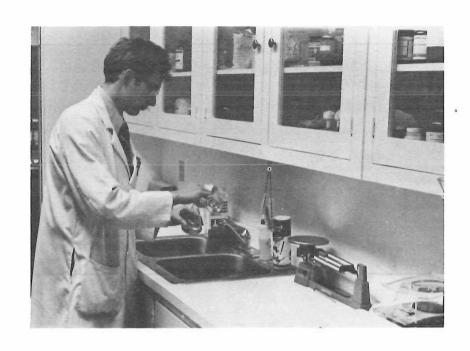
Recreation Technology

DEGREE AND CERTIFICATION PROGRAMS

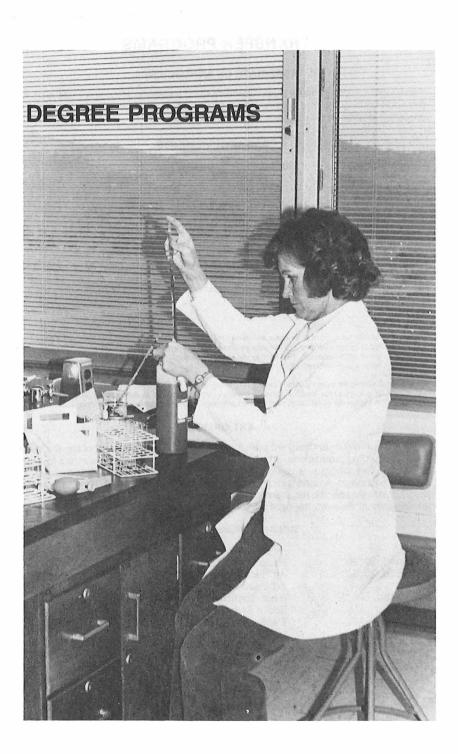
The following section contains, in outline form, the degree and certificate programs of study and the summaries of required hours for all of the programs mentioned above.











TRANSFER PROGRAMS

ASSOCIATE OF ARTS/SCIENCE

This program is designed for students who desire to transfer to a four-year institution. With the addition of one of the options listed, this program meets the requirements for the associate degree at Roane State Community College.

CORE REQUIREMENTS

SUMMARY OF REQUIRED HOURS

Catalog	Course	Quarter
Number	Title	Hours
EDU 1000	Orientation to College ¹	1
ENG 1010, 20, 30	Composition I, II, III	9
	Humanities ²	6
	Sophomore English	6
	Mathematics ³	3
	Physical/Natural Science4	12
HIS 2110, 20, 30	Survey of American History I, II, III	9
	Physical Education Activity⁵	3
		-
		TOTAL 49

^{*}Required of all first time, full time students who take a majority of their courses on campus or in Oak Ridge.

ART OPTION

The art curriculum is designed primarily for the general enrichment of the student as well as providing professional art and liberal arts course work for transfer to a four-year institution. This program is designed to develop fundamental skills in technique and creative expression. An art major planning to transfer to a senior institution should plan a program to meet specific requirements of the lower division at the chosen institution. The art department reserves the right to retain student work for exhibition.

Catalog	Course	Quarter
Number	Title	Hours
ART 1110, 20, 30	Basic Studio I, II, III	9
ART 2010, 20, 30	Art History Survey I, II, III	9
	Art Electives	
SPE 2410	Basic Speech Communication	3
	Social Science	6
	Electives ¹	12
	The second secon	
	Option Sub-total	
	Core Requirements	
		_
		TOTAL 100

^{&#}x27;To include nine hours of foreign language for an Associate of Arts Degree.

²If not specified in option selected, student may choose from any courses offered in Humanities Division.

If not specified in option selected, student may choose any course offered by the Mathematics Department.
If not specified in option selected, student may choose any science sequence. Requirement must be met from the same sequence.

Students completing the majority of their courses in the evening or at off-campus locations other than at Oak Ridge may substitute one three hour health or recreation course (one not required by their degree program) to fulfill this requirement. A petition for substitution must be filed with the Office of Admissions and Records.

ART EDUCATION OPTION

The art education curriculum is designed for a student who plans to complete a baccalaureate degree in art and who desires to receive a certificate to teach art in elementary or secondary school.

SUMMARY OF REQUIRED HOURS

		31	DIMINIANT OF REGUINED HOURS		
Catalog Numbe			Course Title		Quarter Hours
ART	1110, 20, 30)	Basic Studio I, II, III		9
ART	1810		School Art	. 	3
ART	2010, 20, 30	0	Art History Survey I, II, III		9
EDU	2010		Introduction to Education		3
EDU	2410		Human Growth and Development ¹		3
EDU	2910		Prospective Teacher Cooperative		
			Practicum I		
HEA	2210		Personal Health		
MAT	2310, 20		Concepts of Mathematics I, II		
PSY	1010		General Psychology I		
SPE	2410		Basic Speech Communication		
			Art Electives		6
			Sophomore English (In addition to		
			core requirements)		
			Electives		b
			Option Sub-total		60
			Less the courses which are		
			in the core requirements		9
			Core Requirements		49
				TOTAL	100

¹PSY 2410 may be substituted for EDU 2410.

BIOLOGY OPTION

The biology curriculum is designed for the student planning to complete the baccalaureate degree at a four-year institution. This program generally meets the transfer requirements for students entering any one of the state's major universities. Before entering this plan of study, each student should become acquainted with any pre-transfer requirements the receiving institution may stipulate. The current job market gives highest priority to the graduate degree in biology.

Catalog Number	Course Title	Quarter Hours
BIO 1110, 20, 30 BIO 2610 BIO 2620 BIO 2630	General Biology I, III, III ¹	4 4 4
CHE 1110, 20, 30 MAT 1110, 20, 30	General Chemistry I, II, III Introduction to Analysis I, II, III Social Science Electives Speech	9 9
	Electives ²	II -

in the core requirements	. – 18
Core Requirements	49
TOTAL	100

Students with at least two years of high school biology or satisfactory ACT scores may, with permission from the Math-Science Division, omit Biology 1110, 20, 30 and enter BIO 2610, 20, 30 directly (see course listings under Biology). If BIO 2610, 20, 30 are elected, CHE 2310, 20, 30 are recommended as electives.

**Paccommended electives might include additional biology or math, geography, physics, organic chemistry, economics, or psychology.

BUSINESS ADMINISTRATION OPTION

The business administration program includes professional studies and courses in the liberal arts. Upon completion of this two-year program, the student may then transfer to a senior institution to complete the requirements for the baccalaureate in accounting, business management, or related fields.

SUMMARY OF REQUIRED HOURS

Catalog Number BUS 1010 BUS 2210, 20, 30 ECO 2010, 20, 30 MAT 1110, 20, 30 PSY 1010, 20 SOC 2010	Course Title Introduction to Business. Principles of Accounting I, II, III¹ Principles of Economics I, II, III¹ Introduction to Analysis I, II, III² General Psychology I, II Introduction to Sociology Electives	9 9-10 6 3
*	Option Sub-total	3

¹BUS 2250 may be substituted for BUS 2230. ²Or MAT 2610, 20.

BUSINESS EDUCATION OPTION

The business education program includes professional studies and courses in liberal arts. Upon completion of this two-year program, the student may then transfer to a senior institution to complete the requirements for the baccalaureate in secretarial science or to teach business education.

Catalog	Course	Quarter
Number	Title	Hours
BIO 1110, 20, 30	General Biology I, II, III	12
BUS 1010	Introduction to Business	3
BUS 2210, 20, 30	Principles of Accounting I, II, III ¹	9
ECO 2010, 20, 30	Principles of Economics I, II, III	9
EDU 2010	Introduction to Education	3
EDU 2910	Prospective Teacher Cooperative	
	Practicum I	3

MAT PSY PSY SSC SSC SPE	1110, 20, 3 1010 2210 1010, 20, 30 2010 2410	Introduction to Analysis I, II, III		3 9 3 3
		Shorthand IV ²		0-5
				_
		Option Sub-total		72-92
		Less the courses which are		
		in the core requirements	. 	–21
		Core Requirements		49
			TOTAL	100-120

¹BUS 2250 may be substituted for BUS 2230.

CHEMISTRY OPTION

The chemistry curriculum will allow a student to transfer to a four-year institution and work toward a Bachelor of Science degree in chemistry or any area which has similar requirements for the first two years.

SUMMARY OF REQUIRED HOURS

Catalog Number CHE 1110, 20, 30 CHE 2310, 20, 30 CHE 2210 PHY 2110, 20, 30 MAT 2610, 20, 30	Course Title General Chemistry I, II, III Organic Chemistry I, II, III Quantitative Analysis Physics I, II, III Calculus and Analytic Geometry I ¹ , II, III ² Social Science Electives Electives	1212156
	Option Sub-total Less the courses which are in the core requirements Core Requirements	15
	TOTAL	_ 101

¹Certain students may need MAT 1210 or MAT 1500 before MAT 2610.

EARLY CHILDHOOD EDUCATION OPTION

The early childhood education curriculum is designed for a student who wishes to take the first two years of a program toward certification. This curriculum will meet the lower division requirements for transfer to a four-year institution granting the baccalaureate degree in early childhood education. A student may transfer to a senior college and complete requirements for state certification.

²Taken only if student wishes to be certified in shorthand.

²MAT 2710 may be substituted for MAT 2630.

SUMMARY OF REQUIRED HOURS

Catalog Number	Course Title	Quarter Hours
ART 1810	School Art	
BIO 1110, 20, 30	General Biology I, II, III	12
EDU 1110	Introduction to Early Childhood Education	3
EDU 2410	Human Growth and Development	
EDU 2810	Child Development From Infancy	
	Through Age Eight	3
EDU 2820	Creative Activities and Experiences for	
	Young Children	3
EDU 2910, 20	Prospective Teacher Cooperative	
	Practicum I, II	6
EDU 2930	Field Experiences in Early Childhood	
	Education	
HEA 2310	Safety and First Aid	
HEA 2410	Community Health	
MAT 2310, 20, 30	Concepts of Mathematics I, II, III	
MUS 1010	Music Appreciation	
PSY 1010	General Psychology I	
SPE 2410	Basic Speech Communication	3
	Sophomore English (In addition to core requirement)	2
	Electives	
	Liectives	
	Option Sub-total	72
	Less the courses which are	
	in the core requirements	. – 21
	Core Requirements	
		-
	TOTAL	100

ELEMENTARY EDUCATION OPTION

The elementary education curriculum is designed for a student who wishes to take the first two years of a program toward certification. This curriculum will meet the lower division requirements for transfer to a four-year institution granting the baccalaureate degree in elementary education. A student may transfer to a senior college and complete requirements for state certification.

Catalog Number	Course Title	Quarter Hours
ART 1810	School Art	
EDU 2010	Introduction to Education ¹	3
EDU 2410	Human Growth and Development	3
EDU 2710	Reading in the Elementary Schools ¹	3
EDU 2910	Prospective Teacher Cooperative	
	Practicum I	3
GGY 1010	Physical Geography I	3
HEA 2210	Personal Health	3
HEA 2310	Safety and First Aid	3
HEA 2410	Community Health	3
MAT 2310, 20, 30	Concepts of Mathematics I, II, III	9

MUS 1010	Music Appreciation3
PED 2810	Teaching Physical Education in the Elementary Schools
PSY 1010	General Psychology I
PSY 2210	Educational Psychology
SOC 2010	Introduction to Sociology
SPE 2410	Basic Speech Communication3
	Sophomore English (In addition to
	core requirement)3
	Electives ² 3
	0 2 3 1
	Option Sub-total
	Less the courses which are
	in the core requirements9
	Core Requirements
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	TOTAL 100

¹EDU 1110, EDU 2810, or 2820 may be substituted for students planning to go to U.T.K.

²The following courses are suggested as elective hours for students planning to be teacher aides or to meet specific requirements of their choice of a four-year institution.

EDU 2910, 20	Prospective Teacher Cooperative
	Practicum I, II6
GGY 1020	Physical Geography II
GGY 2110	World Regional Geography I3
PED 2850	Playground Leadership3

This curriculum is designed to provide an alternative in required coursework for elementary education and provide a student with a terminal degree. This program will, in part, meet the lower division requirements for transfer to a four-year institution granting the baccalaweate degree in elementary education. All of the courses should benefit the student who desires employment as an elementary teacher aide.

NOTE: Each student in this program will be required to select one physical education activity course from each of the following areas: team activity, individual activity, and dance activity.

GENERAL OPTION

With an appropriate choice of electives, a student can, by following this general program, earn an associate degree from RSCC and also complete the lower division requirements for the baccalaureate at a four-year institution. Students who are interested in a profession such as law, agriculture, architecture, advertizing, etc. should select this option.

Catalog		Course Quar	ter
Number		Title Hou	rs
		Electives ¹ 5	1
			-
	Option Sub-total	1	
	Core Requirements	9	
			-
		TOTAL 10	Λ.

¹To include 9 hours of foreign language for an Associate of Arts degree.

HEALTH, PHYSICAL EDUCATION AND RECREATION OPTION

The health, physical education, and recreation curriculum is designed to meet the needs of a student who desires to transfer to a senior institution and complete a baccalaureate degree with a major or minor in this area. This program is also designed to help a student maintain the best possible physical, mental, and social well-being. The degree program will be planned by subject area advisor in line with the state certification and the catalog requirements of the senior institution.

SUMMARY OF REQUIRED HOURS

Catalog	Course	Quarter
Number	Title	Hours
BIO 1110, 20, 30	General Biology I, II, III	
EDU 2010	Introduction to Education	
HEA 2210	Personal Health	
HEA 2310	Safety and First Aid	
HEA 2410	Community Health	
MAT 2310, 20	Concepts of Mathematics I, II	
PED 2710	Introduction to Physical Education	
PED 2720	Teaching Individual and Dual Sports	3
PED 2810	Teaching Physical Education in	
	Elementary Schools	
PSY 1010, 20	General Psychology I, II	6
PSY 2210	Educational Psychology	3
PSY 2410	Child Psychology	
SPE 2410	Basic Speech Communication	3
	Recreation Electives	6
	Social Science Electives	6
	Sophomore English (In addition to core	
	requirement)	3
	Electives	
	Option Sub-total	
	Less the courses which are	
	in the core requirements	21
	Core Requirements	
	22.2 42 20	
	TC	OTAL 100

MATHEMATICS OR PHYSICAL SCIENCE OPTION

The mathematics or physical science curriculum will allow a student to transfer to a four-year college or university and work toward a Bachelor of Science degree in mathematics, physics, or any area which has similar requirements for the first two years.

Catalog	Course	Quarter
Number	Title	Hours
CHE 1110, 20, 30	General Chemistry I, II, III ¹	12
MATHEMATICS: 28 credits to	o be taken from the following	28
MAT 1310	Symbolic Logic	3
MAT 2550	Probability and Statistics	3
MAT 2610, 20	Calculus and Analytic	
30, 40	Geometry I, II, III, IV	.20
MAT 2650	Linear Algebra	3
MAT 2710	Differential Equations	5
PHY 2110 20 30	Physics I II III	12

Social Science Electives9 Electives²8
Option Sub-total
in the core requirements15
Core Requirements
TOTAL 103

A student choosing an emphasis in mathematics may substitute a three quarter (12 quarter hour) sequence in biology. Should be used for Pre-Calculus and/or trigonometry if background mathematics is needed by the student.

MUSIC OPTION

A music major planning to transfer to a senior institution should become familiar with the specific lower division requirements at that individual senior institution. The curriculum in this degree is designed to give the performing music major a sound basis for continuing music study at a senior institution.

NOTE: All music majors must have a major applied area at the college level; all music majors must pass a piano proficiency examination equivalent to two years of college piano; all music majors must attend all solo classes and other selected performances.

Catalog . Number	Course Title	Quarter Hours
MUS 1020	Fundamentals of Music	
MUS 1110, 20	Theory	
MUS 1111, 21	Theory Practicum	
MUS 1112, 22	Keyboard Practicum	
MUS 2010, 20, 30	Introduction to Music	
	Literature I, II, III	6
MUS 2110, 20, 30	Advanced Theory	
MUS 2111, 21, 31	Advanced Theory Practicum	
MUS 2112, 22, 32	Advanced Keyboard Practicum	
	Applied Instruction in Music	
	Ensemble	
	Electives ¹	8
	Option Sub-total	60
	Less the courses which are	
	in the core requirements	6
	Core Requirements	
		TOTAL 103

¹Must be a foreign language for the Associate of Arts degree.

MUSIC EDUCATION OPTION

The music education curriculum is designed for a student who plans to complete a baccalaureate degree in music and who desires to receive a certificate to teach music in elementary or secondary school.

NOTE: All music majors must have a major applied area at the college level; all music majors must pass a piano proficiency examination equivalent to two years of college piano; all music majors must attend all solo classes and other selected performances.

SUMMARY OF REQUIRED HOURS

Course	Quarter Hours
· · · · ·	
THE COLOR TO THE COLOR	6
Advanced Keyboard Practicum	3
Conoral Psychology I	3
Encomble	5
Liiseilible	0
Option Sub-total	67
	07
	6
Core nequirements	49
TOTAL	100
	Introduction to Education Personal Health Fundamentals of Music Theory Theory Practicum Keyboard Practicum Introduction to Music Literature I, II, III Advanced Theory Advanced Theory Practicum Advanced Keyboard Practicum General Psychology I Educational Psychology Child Psychology Basic Speech Communication Applied Instruction to Major Areas Ensemble Option Sub-total Less the courses which are in the core requirements Core Requirements

PRE-ENGINEERING OPTION

The basic pre-engineering curriculum is designed for a student desiring to earn a baccalaureate degree in any engineering field at a four-year institution. Upon the successful completion of the basic program, the student can transfer to an engineering college and major in any of these engineering fields: aerospace, chemical, civil, electrical, engineering mechanics, engineering physics, engineering science, industrial, mechanical, metallurgical, nuclear, etc.

Catalog Number		Quarter Hours
CHE 1110, 20, 30	General Chemistry I, II, III	12
ERG 1060, 70	Fundamentals of Engineering Graphics I, II	8
ERG 1100	Introduction to Engineering ¹	3
ERG 2010, 20	Engineering Mechanics I, II	
ERG 2110	Thermodynamics	3

MAT 2650 MAT 2610, 20, 30, 40	Linear Algebra
	Geometry I, II, III, IV20
MAT 2710	Differential Equations5
PHY 2110, 20, 30	Physics I, II, III
	Electives ² 3
	Option Sub-total
	in the core requirements15
	Core Requirements
	TOTAL 400
	101AL 108

¹Students planning to transfer to UTK should substitute CST 1020, Introduction to Programming, for ERG 1100. ²Students starting with MAT 1500, Pre-Calculus, should use this course for their elective.

PRE-MEDICINE, PRE-DENTISTRY, PRE-PHARMACY OPTION

This unified basic curriculum in pre-medicine, pre-dentistry, and pre-pharmacy is designed to prepare a student for entrance into a professional school, such as The University of Tennessee or a similar institution, where admission requirements are two years of college experience. Medical college usually requires three or four years of college experience. A student at Roane State Community College should consult the catalog of the university of his/her choice to determine specific requirements for admission.

SUMMARY OF REQUIRED HOURS

	SOMMAN OF REGOMED HOURS	
Catalog	Course	Quarter
Number	Title	Hours
BIO 1110, 20, 30	General Biology I, II, III ¹	12
CHE 1110, 20, 30	General Chemistry I, II, III	12
CHE 2310, 20, 30	Organic Chemistry I, II, III	12
MAT 1110, 20, 30	Introduction to Analysis I, II, III	9
PHY 2010, 20, 30	General Physics I, II, III	12
	Social Science Electives	
	Electives	3
	Option Sub-total	66
	in the core requirements	– 15
	Core Requirements	49
	The state of the s	OTAL 100

'Students with at least two years of high school biology or satisfactory ACT scores may, with permission from the Math-Science Division, omit Biology 1110, 20, 30 and enter Biology 2610, 20, 30 directly (see course listings under Biology). If Biology 1110, 20, 30 are elected, Biology 2610, 20 are recommended as electives. If BIO 2610, 20, 30 are elected, one year of foreign language is also recommended.

PRE-NURSING OPTION

The pre-nursing curriculum is designed for the student planning to complete the baccalaureate degree at a four-year institution. This program meets the transfer requirements of students entering the junior year of study at The University of Tennessee at Knoxville. Before entering this plan of study, the student should become knowledgeable of specific pre-transfer requirements of other transfer institutions. Since many programs accept a limited number of applicants early in the school year for the next

year's class, application should be made at the conclusion of the freshman year at Roane State.

See page 105 for the two-year, Associate degree program in Nursing.

SUMMARY OF REQUIRED HOURS

Catalog Number BIO 2310, 20, 30 BIO 2510 BIO 2610 CHE 1010, 20, 30 MAT 1110 PSY 1010, 20, 30 PSY 2410 SOC 2010 SOC 2020 SOC 2030 SOC 2110 SOC 2120	Course Title Anatomy and Physiology I, II, III Microbiology Genetics Basic Chemistry I, II, III Introduction to Analysis I General Psychology I, II, III Child Psychology Introduction to Sociology Social Institutions Social Problems Introduction to Cultural Anthropology Introduction to Prehistory and Archeology Electives Option Sub-total Less the courses which are in the core requirements Core Requirements	4 4 12 3 3 3 3 3 3 6 68
	TOTA	L 102

101712

SECONDARY EDUCATION OPTION

The secondary education curriculum is designed for the student who wishes to take the first two years of a program toward certification. This option will meet the lower division requirements for transfer to a four-year institution granting the baccalaureate degree in secondary education. A student may transfer to a senior college and complete requirements for state certification.

Catalog	Course	Quarter
Number	Title	Hours
ART 1010	Art Appreciation ¹	3
EDU 2010	Introduction to Education	3
EDU 2910	Prospective Teacher Cooperative	
	Practicum I	3
HEA 2210	Personal Health	3
HEA 2310	Safety and First Aid	3
HEA 2410	Community Health	
MAT 2310, 20	Concepts of Mathematics I, II ²	6
PSY 1010	General Psychology I	
PSY 2210	Educational Psychology ³	3
SOC 2010	Introduction to Sociology	3
SPE 2410	Basic Speech Communication	
	Social Science Electives	
	Sophomore English (In addition to	
	core requirements)	3

Electives ⁴	15
Option Sub-total	60
Less the courses which are in the core requirements	9
Core Requirements	
TOTA	AL 100

MUS 1010 may be substituted for ART 1010.

SOCIAL SCIENCE OPTION

The social science curriculum is designed to assist students planning to complete the baccalaureate degree at a four year institution in any one of the following areas: geography, history, political science, psychology, and sociology. In order to meet lower division requirements for transfer to any one of the state's major universities, students should select social science courses from their choice of emphasis and related social science disciplines. Students should also follow the advice of their social science faculty advisor and become acquainted with any pre-transfer requirements the receiving institution may stipulate.

SUMMARY	OF	REQUIRED HOURS	
		Course	

Catalog			Course	Quarter
Number			Title	Hours
SPE 2410		Basic Speed	ch Communication .	
		Sophomore	English (In addition	to
		core requ	irement) 1	
		Mathematics	s (In addition to core	e
		requireme	nt)	
		Social Scien	nce Electives	42
				· · · · · · · · · · · · · · · · · · ·
		Option	Sub-total	57
	¥3	Less the	e courses which are	
		in the	core requirements.	6
		Core Re	equirements	49
				TOTAL 100

^{&#}x27;Students planning to pursue a Bachelor of Arts degree should take one year of foreign language instead of 3 hours in sophomore literature, 3 hours in humanities electives, and 3 hours general electives.

SPECIAL EDUCATION OPTION

The special education curriculum is designed for a student who wishes to take the first two years of a program toward certification. This curriculum will meet the lower division requirements for transfer to a four-year institution granting the baccalaureate degree in special education. A student may transfer to a senior college and complete requirements for state certification.

²Students planning to teach mathematics should take a higher mathematics sequence.

³EDU 2920 or EDU 2410 may be substituted for students going to U.T.K.

^{*}Electives should be concentrated in the area of certification.

SUMMARY OF REQUIRED HOURS

Catalog	Course	Quarter
Number	Title	Hours
BIO 1110, 20, 30	General Biology I, II, III	12
EDU 1010	Orientation to the Education of the	
250 1010	Exceptional Child	3
EDU 2410	Human Growth and Development	
EDU 2810	Child Development From Infancy	
2010	Through Age Eight	3
EDU 2910, 20	Prospective Teacher Cooperative	
25 3 20 10, 20	Practicum I, II	6
HEA 2310	Safety and First Aid	3
MAT 2310, 20, 30	Concepts of Mathematics I, II, III	
MUS 1010	Music Appreciation	
PED 2810	Teaching Physical Education in the	
	Elementary Schools	3
PSY 1010, 20	General Psychology I, II	6
PSY 2210	Educational Psychology	3
SOC 2010	Introduction to Sociology	3
SOC 2020	Social Institutions	3
SPE 2410	Basic Speech Communication	3
	Sophomore English (In addition to core	
	requirement)	3
	Electives	
	Option Sub-total	72
	Less the courses which are	
	in the core requirements	21
	Core Requirements	49
		-
	TOTAL	100

TECHNOLOGY OPTION

This program is designed for the student who plans to obtain a Bachelor of Science degree in technology or industrial education.

SUMMARY OF REQUIRED HOURS

Catalog Number	Course Title	Quarter Hours
CST 1020	Introduction to Programming	
CHE 1110, 20	General Chemistry I, II	
EET 1010, 1020	Electric Circuits I, II	
EET 1015, 1025 ERG 1060, 70	Electric Circuits I, II Lab	
MAT 1050	Algebra and Trigonometry I	5
MAT 1500	Pre-Calculus	
MAT 2610	Calculus and Analytic Geometry I	
PHY 2010, 20, 30	General Physics I, II, III	
	Technology Electives	15
	Option Sub-total	69
	in the core requirements	– 15
	Core Requirements	49

TOTAL 103

CAREER EDUCATION PROGRAMS¹

ASSOCIATE OF SCIENCE

BUSINESS MANAGEMENT TECHNOLOGY

The two-year program in Business Management Technology is designed to prepare the interested student in many phases of the business field. Upon graduation, the student may enter a variety of career positions in business. This program is for the student planning to seek employment at the end of two years.

Catalog Number	Course Title	Quarter Hours
BUS 1010 BUS 1810 BUS 1820 BUS 2210, 20 BUS 2410 BUS 2510 CST 1010 ECO 2010, 20 EDU 1000 ENG 1010, 20 PSY 2610	CORE REQUIREMENTS Introduction to Business Business Mathematics Finance Mathematics Principles of Accounting I, II. Business Machines—Computation Legal Environment for Business Introduction to Data Processing Principles of Economics I, II. Orientation to College Composition I, II. Psychological Aspects of Manage Humanities Elective Physical Education Social Science Electives	
		Sub-total 55
Catalog Number	Course Title	Quarter Hours
BUS 2230 BUS 2250 BUS 2310, 20 BUS 2520 BUS 2710, 20, 30 CST 1020 CST 2100 ECO 2030 ENG 1030 ENG 2820 ² MAT 1110 MAT 2510	ACCOUNTING OPTION Principles of Accounting III Cost Accounting Income Tax Accounting I, II Business Law Intermediate Accounting I, II, III Introduction to Programming Computer Applications in Accounter Applications in Accounter Applications III Composition III Technical Writing Introduction to Analysis I Elementary Statistics Electives	

See footnote 2 on page 67 for explanation of possible physical education substitution for evening and off-campus students for career education programs. EDU 1000 is required of all first-time, full-time college attenders taking courses in Harriman and Oak Ridge.

²Fulfills Humanities Requirement of Core Requirement.

Catalog Number	Course Title	Quarter Hours
BNK 1100 BNK 1120 BNK 1140 BNK 2100 BNK 2120 BNK 2150 BUS 2010 BUS 2030 BUS 2830 BUS 2910 CST 1020	BANKING OPTION Principles of Bank Operations Money and Banking Savings and Time Deposits Federal Reserve System Analyzing Financial Statements Installment Credit Real Estate I Principles of Accounting III Marketing Management and Supervision I Introduction to Programming Business/Banking Electives	4 4 4 3 3 3 3
		-total 48 TAL 103
Catalog Number	Course Title	Quarter Hours
BUS 1850 BUS 2230 BUS 2250 BUS 2310 BUS 2320 BUS 2520 CST 1020 E CO 2030 ENG 2820' PSY 1010, 20 SOC 2010 SPE 2410	GENERAL BUSINESS OPTION Personal Finance Principles of Accounting III Cost Accounting Income Tax Accounting—Personal Income Tax Accounting—Business Business Law Introduction to Programming Principles of Economics III Technical Writing General Psychology I, II Introduction to Sociology Basic Speech Communication Business Electives Electives	3 3 3 3 3 6
		TAL 100
'Fulfills Humanities Requirement of C	Core Requirements.	
Course Number	Course Title	Quarter Hours
BUS 2810 FST 1030 FST 1110 FST 2110 INT 1010 INT 1110 INT 1120	INSURANCE OPTION Salesmanship Industrial Hazards Construction Codes and Fire Protection Standards Inspection Principles and Practices Principles of Insurance Basic Life and Health Insurance Basic Property Insurance	3 3 3 3

INT 1130 INT 2110 INT 2120 INT 2130 SSC 1010 SSC 2210 SPE 2440		Basic Casualty Insurance Advanced Life and Health Insurar Advanced Property Insurance Advanced Casualty Insurance Typing I Office Practice Business and Professional Speak Insurance/Business Electives	nce	
			Sub-total 45	
			TOTAL 100	
Course Number		Course Title	Quar Hou	
BUS 1850 BUS 2270, 80¹ BUS 2520 BUS 2810 BUS 2820 BUS 2830 BUS 2910, 20, 30 BUS 2940 ENG 2820² FST 1030 PSY 1010, 20 SPE 2440	MANA	Personal Finance Small Business Accounting I, II Business Law Salesmanship Retailing Marketing Management and Supervision I, II Management Seminar Technical Writing Industrial Hazards General Psychology I, II Business and Professional Speak Electives		
			TOTAL 100	

¹Substitutes for BUS 2210, 2220. ²Fulfills Humanities Requirement of Core Requirements.

Course	Course	Quarter
Number	Title	Hours
	SAVINGS ASSOCIATION OPTION	
BNK 2120	Analyzing Financial Statements	4
BUS 1110	Business Communications	3
BUS 1850	Personal Finance	3
BUS 2010, 20, 30	Real Estate I, II, III	9
BUS 2810	Salesmanship	
BUS 2910	Management and Supervision	
INT 1010	Principles of Insurance	3
SAV 1010	Introduction to Savings Association	
SAV 1110	Savings Accounts	3
SAV 1120	Savings Account Administration	
SAV 2110	Savings Association Operations	3
SPE 2440	Business and Professional Speaking	3
	Business/Savings Association Electives	3
	=======================================	
	Cult total	40

Sub-total 46

TOTAL 101

Course Number		Course Title	Quarter Hours
BUS 1850 BUS 2270, 801 BUS 2310 BUS 2320 BUS 2520 BUS 2810 BUS 2830 BUS 2900 ECO 2030 ENG 28202 PSY 1010, 20 SOC 2010 SPE 2410	Ÿ.	SMALL BUSINESS OPTION Personal Finance Small Business Accounting I, II Income Tax Accounting—Personal Income Tax Accounting—Business Business Law Salesmanship Marketing Small Business Management Principles of Economics III Technical Writing General Psychology I, II Introduction to Sociology Basic Speech Communication Business Elective Electives	3
		Sub-total	45
		TOTAL	100

Substitutes for BUS 2210, 20.

COAL MINING TECHNOLOGY

The two-year Coal Mining Technology program is designed to prepare students for career opportunities in the coal industry. The student must select either the deep or surface mine option, for which training is designed to prepare students for initial entrance into employment and subsequent advancement in private industry or environmental agencies requiring technically trained personnel.

CORE REQUIREMENTS

Course Number	Course Title	Quarter Hours
BUS 2910 CMT 1010	Management and Supervision I	3
CIVIT TOTO	Surface Mining	3
CMT 1020	Coal Geology	
CMT 1110, 20	Mine Operations and the Law I, II	6
CMT 1210	Mining Business and Records	3
CMT 1510	Reclamation Techniques and Land	
CMT 1610	Use Planning	პ
CMT 1610	Energy and Society	3
CMT 1910	Mining Hydraulics	
CMT 1920	Mine Electricity and Hazards	3
CMT 2000	Mine Surveying	3
CMT 2110	Water Quality Control	
CMT 2210, 20, 301	Mining Internship I, II, III	

^{&#}x27;Students may receive credits for on-the-job training or employment experience in the coal industry. Substitutions can be made upon written approval of the department head.

²Fulfills Humanities Requirement of Core Requirements.

CMT 2310	Coal Analysis and Preparation
CMT 2420	Plant Technology
	Mining Methods and Equipment Technology3
CMT 2430	Gas Detection3
CMT 2710	Noise Measurement and Control3
CMT 2810	Mine Blasting and Explosives3
EDU 1000	Orientation to College1
ENG 1010, 20	Composition I, II6
ENG 2820	Technical Writing
FST·1120	Environmental Technology3
FST 2020	Blue Print Reading and Sketching 4
HEA 2310	Safety and First Aid
MAT 1010, 20	Technical Math I, II
	Physical Education Activities3
	Social Science Electives9
	Sub-total 98

DEEP MINE OPTION

Course Number	Course Tille	Quarter Hours
CMT 1810 CMT 2010 CMT 2410 CMT 2820 CMT 2910	Mine Rescue	
	_ '	Sub-total 15 HOURS 113

SURFACE MINE OPTION

Course Number		Course Tille	Quarter Hours
BUS 1010 BUS 1810 CMT 1310 CMT 1710 CMT 2610 CMT 2720	EF	Introduction to Business	3 3 3
GGY 1010		Engineering	

TOTAL HOURS 119

COMPUTER SCIENCE TECHNOLOGY

Two options are offered in Computer Science Technology at Roane State Community College: (1) a scientific computer option, and (2) a business computer option. The scientific option is designed for students interested in scientific and engineering applications of the computer, while the business option is designed for students interested in business data processing.

The Computer Science Technology curriculum has as its primary objectives:

- (1)The task of qualifying the student for a successful career as a programmer, systems analyst, or assistant computer center manager if his/her respective option is business, through the orderly presentation of programming languages, business, and managerial courses.
- (2)The task of qualifying a student for transferring to a four-year school which has a major in computer science, if he/she chooses the scientific option.

CORE REQUIREMENTS CST 1020	Catalog Number	Course Title	Quarter Hours
Catalog Number Course Title Quarter Hours BUS 1010 Introduction to Business 3 BUS 1810 Business Mathematics 3 BUS 1820 Finance Mathematics 3 BUS 2210, 20, 30 Principles of Accounting I, II, III 9 BUS 2910 Management and Supervision I 3 CST 2210 FORTRAN Programming 3 CST 2220 COBOL Programming 3 CST 2240 RPG Programming 3 CST 2410 Systems Analysis 3 CST 2510 Advanced Computer Programming 3 CST 2610 Management Information Systems 3 CST 2810 Computer Organization and Programming 3 ECO 2010, 20, 30 Principles of Economics I, II, III 9 MAT 1050 Algebra and Trigonometry I 5 PSY 2610 Psychological Aspects of Management 3 SOCial Science Electives 9 SPE 2440 Business and Professional Speaking 3 Electives 6	CST 2010 CST 2310 EDU 1000 ENG 1010, 20, 30	Introduction to Programming Computers and Society Introduction to Systems Analysis Orientation to College Composition I, II, III Elementary Statistics	3 1 9
BUSINESS OPTION BUS 1010 Introduction to Business 3 BUS 1810 Business Mathematics 3 BUS 1820 Finance Mathematics 3 BUS 2210, 20, 30 Principles of Accounting I, II, III 9 BUS 2910 Management and Supervision I 3 CST 2210 FORTRAN Programming 3 CST 2220 COBOL Programming 3 CST 2240 RPG Programming 3 CST 2410 Systems Analysis 3 CST 2510 Advanced Computer Programming 3 CST 2610 Management Information Systems 3 CST 2810 Computer Organization and		TOTA	L 25
BUS 1010 Introduction to Business 3 BUS 1810 Business Mathematics 3 BUS 1820 Finance Mathematics 3 BUS 2210, 20, 30 Principles of Accounting I, II, III 9 BUS 2910 Management and Supervision I 3 CST 2210 FORTRAN Programming 3 CST 2220 COBOL Programming 3 CST 2240 RPG Programming 3 CST 2410 Systems Analysis 3 CST 2510 Advanced Computer Programming 3 CST 2610 Management Information Systems 3 CST 2810 Computer Organization and Programming 3 ECO 2010, 20, 30 Principles of Economics I, II, III 9 MAT 1050 Algebra and Trigonometry I 5 PSY 2610 Psychological Aspects of Management 3 Social Science Electives 9 SPE 2440 Business and Professional Speaking 3 Electives 6	•		
Sub-total 77	BUS 1810 BUS 1820 BUS 2210, 20, 30 BUS 2910 CST 2210 CST 2220 CST 2240 CST 2410 CST 2510 CST 2610 CST 2810 ECO 2010, 20, 30 MAT 1050 PSY 2610	Introduction to Business Business Mathematics Finance Mathematics Principles of Accounting I, II, III Management and Supervision I FORTRAN Programming COBOL Programming RPG Programming Systems Analysis Advanced Computer Programming Management Information Systems Computer Organization and Programming Principles of Economics I, II, III Algebra and Trigonometry I Psychological Aspects of Management Social Science Electives Business and Professional Speaking	3933333333333

Catalog Number	Course Title	Quarter Hours
	SCIENTIFIC OPTION	
CHE 1110, 20, 30	General Chemistry I, II, III	12
CST 2210	FORTRAN Programming	3
CST 2220	COBOL Programming	3
CST 2250	APL Computer Programming	3
CST 2510	Advanced Computer Programming	
CST 2810	Computer Organization and	
	Programming	3
HIS 2110, 20, 30	Survey of American History I, II, III	9
MAT 1310	Symbolic Logic	
MAT 1500	Pre-Calculus	
MAT 2610, 20	Calculus and Analytic Geometry I, II	
MAT 2650	Linear Algebra	
PHY 2110, 20, 30	Physics I, II, III	12
	Sophomore English	
	A TAV STREET RE-	
	Sub-tota	al 78
	TOTAL	106

DIETETIC TECHNOLOGY

The Associate of Science degree program in Dietetic Technology and Food Service Management provides students with an opportunity to study dietetics at the college level. The curriculum combines general education and technical courses with supervised field work. This program is six quarters in length and is designed to train dietetic technicians who can promote nutritional care and improve food service in hospitals, nursing homes, restaurants, and a variety of other settings. The concept of a two-year training program for dietetic technicians is fully endorsed by the American Dietetic Association.

Catalog Number	Course Title	Quarter Hours
BIO 2510 BUS 1810 BUS 2210 BUS 2210 BUS 2910, 20 CHE 1200 CST 1010 DFT 1010 DFT 1020 DFT 1030 DFT 1810, 20 DFT 2210 DFT 2220 DFT 2310 DFT 2310 DFT 2410 DFT 2510 DFT 2510 DFT 2710 DFT 2810, 20, 30 EDU 1000	Microbiology Business Mathematics Principles of Accounting Management and Supervision I, II Chemistry for Dietetic Technology Introduction to Data Processing Fundamentals of Food Service Food Principles Sanitation and Safety Field Experience I, II Food Purchasing and Cost Control Principles of Nutrition Therapeutic Nutrition Food Systems Administration Institutional Menu Planning Quantity Cookery Health Care Delivery Systems Field Experience III, IV, V Orientation to College	3
ENG 1010, 20 PSY 2610	Composition I, II	

Humanities Elective	3
Psychology Elective	3
Social Science Electives	9
Sociology Elective	3
Physical Education Activities	

TOTAL HOURS 101

ELECTRICAL AND ELECTRONICS TECHNOLOGY

The Electrical and Electronics Technology program is intended to prepare the student to meet the needs of and to be ready for advancement in construction, manufacturing, installation and service as it applies particularly to industrial, residential and commercial activities. This program is not intended to prepare the graduate to be an engineering technician nor to transfer to a four-year institution.

	SUMMARY OF REQUIRED HOURS	
Catalog Number	Course Tille	Quarter Hours
EDU 1000	Orientation to College	
EET 1010, 20	Electric Circuits I, II	
EET 1015, 25	Electric Circuits I, II Lab	
FFT 1210	Materials and Construction Practices	
EET 1310	Electronics I	
EET 1320	Electronics II	
EET 1315	Electronics I Lab	
EET 1325	Electronics II Lab	
EET 1610	Electrical Systems Design I	
EET 1630	Elements of Electrical Generation, Trans-	0
EE 1 1000	mission and Distribution	3
EET 1635	Elements of Electrical Generation, Trans-	
EE 1 1000	mission and Distribution Lab	1
EET 1640	Electrical Wiring	
EET 2260	Electronic Troubleshooting	
EE T 2310	Digital Electronics I	
EE T 2315	Digital Electronics I Lab	1
EET 2510	Industrial Electronics and Control I	
EET 2515	Industrial Electronics and Control I Lab	
EET 2550	Electrical Machinery	
EET 2555	Electrical Machinery Lab	
ENG 1010. 20	Composition I, II	
ENG 2820	Technical Writing	
ERG 1060	Fundamentals of Engineering Graphics 1	
ERG 2030	Engineering Graphics III	
ERG 1100	Introduction to Engineering	
MAT 1010, 20	Technical Math I, II	
MET 2910	Industrial Safety	
SOC 2010	Introduction to Sociology	
333 23.3	Physical Education Activities	
	Social Science Electives	
₩.	Electives	
	2.5555	

TOTAL HOURS 102

ENGINEERING TECHNOLOGY¹

The primary objectives of the two-year Engineering Technology program are to provide students with (1) the basic background information to understand the environment in which they will work (2) the technical training and experience needed to be productive at job entry level, and (3) the educational foundation necessary to undertake further study. Other objectives include the re-training and upgrading of people already employed.

Engineering Technology degree options are available in Civil, Electrical, Chemical, and Mechanical fields. Two certificate programs related to Civil Engineering are Drafting and Design and Surveying. See pages 112-113.

Catalog	Course	Quarter
Number	Title	Hours
	CORE REQUIREMENTS	
CHE 1110	General Chemistry I	4
CST 2210	FORTRAN Programming	3
EDU 1000	Orientation to College	1
ENG 1010, 20	Composition I, II	6
ENG 2820	Technical Writing	3
ERG 1060, 70	Fundamentals of Engineering Graphics I, II.	8
ERG 11 00	Introduction to Engineering	3
ERG 1110	Applied Mechanics I	3
EET 1010, 20	Electric Circuits I, II	6
MAT 1050	Algebra and Trigonometry I ²	5
MAT 1500	Pre-Calculus	
MAT 2610	Calculus and Analytic Geometry	5
PHY 2010	General Physics I	4
	Physical Education Activities	3
	Social Science Electives	9
	Sub-to	tal 68

Catalan	Course	Overter
Catalog		Quarter
Number	Title	Hours
	CHEMICAL ENGINEERING TEC	HNOLOGY
	OPTION	
CHE 1120, 30	General Chemistry II, III	8 8
CHE 2310, 20	Organic Chemistry I, II	8 8
CHT 2010, 20, 30	Unit Operations I, II, III	
CHT 2110	Matter and Energy Balances	
CHT 2210, 20	Quantitative Analysis I, II	6
CHT 2410	Heat, Mass, and Momentum Transfer	
ERG 1120	Applied Mechanics II	
ERG 13 00	Applied Thermodynamics	
MET 2910	Industrial Safety	
		Sub-total 44
	TOTA	L HOURS 112
	IOIA	LIIUUNO IIZ

¹For the engineering program designed for transfer to a four-year institution, see Pre-Engineering, p. 84. ²Student may substitute MAT 1010 and MAT 1020 for MAT 1050.

Catalog Number	Course Title CIVIL ENGINEERING TECHNOLOGY	Quarter Hours
CET 1000 CET 2010 CET 2110, 20 CET 2210 CET 2220 CET 2250 CHE 1120 ERG 2210 MET 2910	OPTION Introduction to Surveying Construction Planning Surveying I, II Soil Mechanics Hydraulics Structural Analysis General Chemistry II¹ Strength of Materials Industrial Safety	3 3 3 3
	Sub-to	tal 32
¹PHY 2020, General Physics II, may	be substituted for CHE 1120.	
Plus either of	the following technical elective sequences: Technology Sequence	
CET 2310 CET 2410 CET 2510 CET 2810	Concrete Technology Traffic and Transportation Technology Bituminous Technology Route Surveying and Highway Design	3 3
	Sub-total	l 12
OR	TOTAL HOURS	5 112
	Design Sequence	
CET 2610 CET 2620 CET 2710 CET 2720	Reinforced Concrete Design	3 3
	Sub-tota	12
	TOTAL HOURS	3 112
Catalog Number	Course Title	Quarter Hours
Number	ELECTRICAL ENGINEERING TECHNOL	
EET 1015, 25 EET 1310, 20, 30 EET 1315, 25, 35 EET 2310 EET 2315 EET 2510 EET 2515	Electric Circuits I, II Lab Electronics I, II, III Electronics I, II, III Lab Digital Electronics I Industrial Electronics and Control I Industrial Electronics and Control I Lab	9 3 1 3.
EET 2530 EET 2535 MCT 1100	Electrical Machinery Electrical Machinery Lab	3 1
PHY 2020	Introduction to Minicomputers	

Plus either of the following technical elective sequences:

EET 1210 EET 2320 EET 2325 EET 2260	Electronics SequenceMaterials and Construction Practices.2Digital Electronics II.3Digital Electronics II Lab.1Electronic Troubleshooting.3
	Sub-total 9
	TOTAL HOURS 110
OR	
EET 1610 EET 1630 EET 1635 EET 2520 EET 2525	Power and Industrial Sequence Electrical Systems Design I
	Sub-total 11
	
	TOTAL HOURS 111
Catalog Number	Course Quarter Title Hours MECHANICAL ENGINEERING
	Course Quarter Title Hours
RERG 1120 ERG 1300 MET 1010, 20 MET 1110 MET 1210 MET 1310 MET 2910	Course Title Quarter Hours MECHANICAL ENGINEERING TECHNOLOGY O PTION Applied Mechanics II
RERG 1120 ERG 1300 MET 1010, 20 MET 1110 MET 1210 MET 1310 MET 2910 PHY 2020	Course Title Quarter Hours MECHANICAL ENGINEERING TECHNOLOGY OPTION Applied Mechanics II
RERG 1120 ERG 1300 MET 1010, 20 MET 1110 MET 1210 MET 1310 MET 2910 PHY 2020	Course Tille Quarter Hours MECHANICAL ENGINEERING TECHNOLOGY O PTION Applied Mechanics II
Number ERG 1120 ERG 1300 MET 1010, 20 MET 1110 MET 1210 MET 1310 MET 2910 PHY 2020 Plus either of the control	Course Tille

100	HOMINE OTHER COMMISSION OCCEED
OR	
MET 2410 MET 2510 MET 2610 MET 2810	Production SequenceMethods and Operations Analysis.4Statistics and Quality Control.3Plant Layout and Materials Handling.4Production Problems.4
	Sub-total 15
	TOTAL HOURS 111
Catalog Number	Course Quarter Title Hours NUCLEAR ENGINEERING TECHNOLOGY OPTION
ERG 1120 ERG 2110 MAT 2620 MET 2910 NUC 1010 NUC 2010 NUC 2110 NUC 2120 NUC 2310 NUC 2510 NUC 2710 PHY 2020, 30	Applied Mechanics II
	Sub-total 43
	TOTAL HOURS 108

FIRE SCIENCE TECHNOLOGY

The Fire Science Technology program is designed to prepare students for initial entrance into employment or advancement with municipalities, industrial firms, or other employers requiring trained personnel. Graduates may also be employed by insurance companies as sales personnel, fire insurance adjusters, or bureau raters. Students who plan on transferring for advanced study to colleges leading to a BS degree will want to take the Fire Science option. This program has been approved by the Tennessee Commission on Fire Fighting Personnel Standards and Education.

Catalog Number	Course Title	Quarter Hours
	CORE REQUIREMENTS	
CHE 1110, 20	General Chemistry I, II	8
CST 1010	Introduction to Data Processing	3
EDU 1000	Orientation to College	1
EET 1640	Electrical Wiring	4
ENG 1010, 20	Composition I, II	6
ENG 2820	Technical Writing	
ERG 1100	Introduction to Engineering	3
FST 1010	Introduction to Fire Science	3
FST 1040	Fundamentals of Fire Prevention	3
FST 1110	Construction Codes and Fire Protection	
	Standards	3

FST 2020 FST 2110 FST 2120 FST 2210 HEA 2310 MAT 1010, 20 POL 2020 SPE 2440	Blue Print Reading and Sketching
	Sub-total 70
FST 1030 FST 2220 FST 2230 FST 2510 MET 2910	PROTECTION OPTION Industrial Hazards
	Sub-total 25
	TOTAL HOURS 103

SERVICE OPTION

Catalog Number	Course Title	Quarter Hours
FST 2010 FST 2040 FST 2060 FST 2080 FST 2610	Fire Fighting Strategy Arson Detection and Investigation Fire Protection Law Methods of Fire Instruction Fire Department Administration Science or Business Elect Technical Electives	stigation 3 3 n 3 ration 3 tive 3
		Sub-total 24
		TOTAL HOURS 102

FIRE SCIENCE OPTION

The Fire Science Option is designed for a student who plans to complete a Baccalaureate Degree. This program is designed to develop fundamental knowledge and skills in Fire Science. A Fire Science major planning to transfer to a senior institution should plan a program to meet specific requirements of the chosen institution.

Catalog Number	Course Title	Quarter Hours
CHE 1110, 20, 30 CST 1010	General Chemistry I, II, III Introduction to Data Processing	
ENG 2820	Technical Writing	3
FST 1010	Introduction to Fire Science	3

FST 1030	Industrial Hazards3
FST 1110	Construction Codes and Fire
	Protection Standards
FST 2110	Inspection Principles and Practices4
FST 2120	Principles of Hydraulics
FST 2210	Hazardous Materials
FST 2610	Fire Department Administration3
HEA 2310	Safety and First Aid3
HIS 2110, 20, 30	Survey of American History I, II, III9
MAT 1110, 20, 30	Introduction to Analysis I, II, III
PHY 2010, 20, 30	General Physics I, II, III12
POL 2020	Tennessee Government and Politics
PSY 1010	General Psychology I3
SPE 2410	Basic Speech Communication3
	Option Sub-total 82
	Less courses which are in
	the core requirements -30

Core Requirements¹ 49

TOTAL HOURS 101

MEDICAL LABORATORY TECHNOLOGY¹

The Medical Laboratory Technology program provides students with the opportunity to study the medical laboratory sciences. The curriculum combines general education and science courses with clinical laboratory courses and clinical laboratory experience. The certified Medical Laboratory Technician is qualified to perform diagnostic tests in the medical laboratory.

Catalog Number	Course Title	Quarter Hours
BIO 2310, 20, 30 BIO 2510 BIO 2520 BIO 2520 BIO 2610 CHE 1110, 20, 30 EDU 1000 ENG 1010, 20 MAT 1110 MLT 1010 MLT 1020 MLT 2110, 20 MLT 2310 MLT 2510 MLT 2510 MLT 2610 MLT 2710, 20 MLT 2830 MLT 2830 MLT 2830	Anatomy and Physiology I, II, III Microbiology Diagnostic Microbiology Genetics General Chemistry I, II, III Orientation to College Composition I, II Introduction to Analysis Introduction to Medical Laboratory Technology Orientation to Laboratory Techniques Medical Biochemistry I, II Hematology Immunology Parasitology Immunohematology Seminar I, II Basic Clinical Education I, II Clinical Chemistry Clinical Hematology	.12 4 4 12 1 6 3 4 3 4 3 4 3
MLT 2850	Clinical Immunohematology	

See Core Requirements for Associate of Arts/Science Transfer Programs on p. 76.

MLT 2860	Clinical Microbiology Humanities Elective Physical Education Activities Social Science Electives	3 3
	TOTAL HOURS 11	8

¹Prospective students are advised to submit their requests for admission to the program as early as possible since there are special admission policies. See the admission policies for health occupations. Students may begin the program in fall or spring.

MEDICAL LABORATORY TECHNOLOGY

(For Certified Laboratory Assistants)

This program is designed for the Certified Laboratory Assistant who has completed a one-year program at an AMA approved school. The CLA without recent work experience may be required to pass a practical examination prior to receiving credit for CLA training.

SUMMARY OF REQUIRED HOURS

Catalog Number	Course Title	Quarter Hours
BIO 2310, 20, 30 BIO 2510 BIO 2520 BIO 2610 CHE 1110, 20, 30 ENG 1010, 20 MAT 1110 MLT 2110, 20 MLT 2210 MLT 2310 MLT 2510 MLT 2610	Anatomy and Physiology I, II, III Microbiology Diagnostic Microbiology Genetics General Chemistry I, II, III Composition I, II. Introduction to Analysis Medical Biochemistry I, II Hematology Immunology Parasitology Immunohematology Physical Education Activities Social Science Electives	4 4 4 12 6 3 10 4 3
	Sub-total Credit for CLA Training	81 36
	TOTAL HOURS	117

MEDICAL RECORD TECHNOLOGY¹

The Medical Record Technology program emphasizes specialized skills in the management of medical records. The medical record technician helps to provide accuracy and efficiency in the management of the patient's records. In smaller health facilities, the medical record technician is in charge of the medical record room. Application of the didactic instruction is provided through clinical experience in local health facilities. The program is accredited by the AMA Committee on Allied Health Education and Accreditation, in collaboration with the American Medical Record Association.

SUMMARY OF REQUIRED HOURS

Catalog	Course	Quarter
Number	Title	Hours
BIO 2310, 20, 30	Anatomy and Physiology I, II, III	12
BIO 2350	Pathophysiology	3
BUS 1810	Business Mathematics	3
BUS 2910	Management and Supervision I	3
CST 1010	Introduction to Data Processing	3
CST 1020	Introduction to Programming	3
EDU 1000	Orientation to College	1
ENG 1010, 20, 30	Composition I, II, III	0
MRT 1010, 20, 30	Modical Pacarda I II III	9
	Medical Records I, II, III	9
MRT 1040	Legal Aspects of Medical Records	3
MRT 1210, 20	Medical Terminology I, II	
MRT 1230	Medical Transcription	
MRT 2310, 20, 30	Directed Practice I, II, III ²	
MRT 2110	Trends in Medical Records	3
MRT 2120	Advanced Medical Record Procedures	3
MRT 2430	Medical Records Seminar	3
PSY 1010	General Psychology I	3
SPE 2440	Business and Professional Speaking	
SSC 1010	Typing I (or equivalent)	
000 1010	Physical Education Activities	
	Electives	
	Social Science Electives	9
		-
	TOTAL HOURS	100

Prospective students are advised to submit their request for admissions to the program as early as possible and at least prior to the summer quarter since special admission policies are required for this program. See p. 29.

MINI/MICROCOMPUTER TECHNOLOGY

The Mini/Microcomputer Technology program is a broad based, high technology curriculum designed to prepare graduates for multi-point entry into the rapidly growing minicomputer/microcomputer industry.

The primary objectives of the program are 1) to offer a technical curriculum for the development of student competency in the service and maintenance of minicomputers and the associated peripheral devices within the computer system; 2) to provide high level training in the principles and concepts on which the operation of mini-computers, microcomputers, and other digital systems are based; 3) to develop skills and working knowledge of computer software and its interrelationship with the hardware; and 4) to provide state-of-the-art computer equipment and test instruments for hands-on training to support classroom and text material.

Although emphasizing minicomputer service and maintenance, graduates of the program may pursue careers in manufacturing, engineering and design, software development, sales, and technical writing or training. According to students' desires and aptitudes, the curriculum may be structured to emphasize a particular area of specialization.

²Contracts with the following institutions are on file for clinical experience:

East Tennessee Baptist Hospital—Knoxville, Tennessee Lakeshore Mental Health Institute—Knoxville, Tennessee

Park West Hospital—Knoxville, Tennessee

Penninsula Psychiatric Center-Louisville, Tennessee

Shannondale Health Care Center-Knoxville, Tennessee

University of Tennessee Memorial Hospital—Knoxville, Tennessee

University of Tennessee Veterinary Teaching Hospital—Knoxville, Tennessee

Knoxville Health Care Center—Knoxville, Tennessee

SUMMARY OF REQUIRED HOURS

Catalog	0	Quarter
Number	Course Title	Hours
CST 1020	Introduction to Programming	3
EDU 1000	Orientation to College	
EET 1010, 20	Electric Circuits I, II	
EET 1015, 25	Electric Circuits I, II Lab	2
EET 1310	Electronics I	
EET 1315	Electronics Lab	
EET 2510	Industrial Electronics and Control I	
EET 2530	Electrical Machinery	3
ENG 1010, 20	Composition I, II	
ENG 2820	Technical Writing	
MAT 1050	Algebra and Trigonometry I	5
MAT 1500 MCT 1100	Pre-Calculus	5
MCT 1210	Introduction to Minicomputers	
MCT 1810	Machine/Assembly Language Programming Pulse and Switching Circuits	
MCT 1815	Pulse and Switching Circuits Lab	
MCT 2000	Computer Service Internship	
MCT 22 10	Operating Systems	3
MCT 2310	Digital Circuits I	
MCT 2315	Digital Circuits Lab	
MCT 2350	Computer Architecture	3
MCT 2355	Computer Architecture Lab	1
MCT 2410, 20	Peripherals I, II	
MCT 2415, 25	Peripherals I, II Lab	
MCT 2610	Computer Systems	
	Maintenance/Troubleshooting	
MCT 2700	Integrated Circuits	3
MCT 2705	Integrated Circuits Lab	1
MCT 2810	Data Communication and Interface Design	
MCT 2900	Advanced Topics	
PED	Physical Education Activities	
	Social Science Electives	
	Elective	3

TOTAL HOURS 106

NURSING

The two-year, associate degree program in Nursing emphasizes patient-centered approaches to nursing care. The graduate nurse is able to provide highly skilled nursing care to patients and families in a variety of health care delivery settings. The program of learning includes the study and clinical application of nursing theory and principles. The graduate is eligible to take the State Board examination to become a registered nurse. See p. 85 for the Pre-Nursing option for the student who plans to transfer and complete the baccalaureate degree in nursing.

Catalog	Course	Quarter
Number	Title	Hours
BIO 2310, 20, 30	Anatomy and Physiology I, II, III	12
BIO 2510	Microbiology	4
DFT 2210	Principles of Nutrition	3
EDU 1000	Orientation to College	
ENG 1010, 20	Composition I, II	6
NSG 1110, 20, 30	Nursing I, II, III	
2110, 20, 30	IV, V, VI	48

NSG 2910 SOC 2010 SOC 2020	Nursing Seminar
or	
SOC 2030	Social Problems
POL 1010	Fundamentals of American Government
or	
POL 2010	Introduction to Political Science
PSY 1010, 20, 30	General Psychology I, II, III
	Humanities Elective
	Physical Education Activities
	TOTAL HOURS 100

OFFICE ADMINISTRATION

The two-year Office Administration program is designed to prepare professionals in many aspects of office work and administration. Proficiency is developed in the skills of typewriting, shorthand, dictation, transcription, office management, and word processing. The wide scope of courses offered in this program will provide opportunities for increased understanding of the many facets involved in the operation of business today. This curriculum is designed for a student planning to seek employment at the end of two years. Office Administration degree emphasis areas are available in the Executive Secretary, Medical Secretary, and General Clerical fields.

Catalog Number	Course Number	Quarter Hours		
BUS 1010 BUS 1810 BUS 2210 BUS 2210 BUS 2510 COE 1010 CST 1010 ECO 2010 EDU 1000 ENG 0100 ENG 1010, 20, OAD 1010, 20, OAD 2020 OAD 2210 OAD 2310 OAD 2410 PSY 1010 SPE 2410	CORE REQUIREMENTS Introduction to Business Business Mathematics Principles of Accounting I Legal Environment for Business Cooperative Education¹ Introduction to Data Processing Principles of Economics I Orientation to College Grammar Composition I, II Typing I, II, III Word Processing Office Administration Business Communications Business Machines General Psychology I Basic Speech Communication Electives Physical Education Activities Social Science Electives	.3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .		
Sub-total 73 EXECUTIVE SECRETARY OPTION BUS 2220 Principles of Accounting II				
ECO 2020 OAD 1110, 20, 30 OAD 1210 OAD 2110	Principles of Economics II	.15 3		
	Sub-total	29		
	TOTAL 1	102		

BUS 1850 BUS 2220, 30 ² ECO 2020 ENG 1030 PSY 1020 PSY 2610 OAD 1210	GENERAL CLERICAL OPTION Personal Finance Principles of Accounting II, III Principles of Economics II. Composition III. Psychology II. Psychological Aspects of Management Machine Transcription Business Electives	6 3 3 3
	Sub-total Sub-total	30
	TOTAL	103
MRT 1210, 20, 30 OAD 1110, 20, 30 OAD 2110	MEDICAL SECRETARY OPTION Medical Terminology I, II, III Shorthand I, II, III Shorthand Transcription	15
	Sub-total	29
	TOTAL	102

¹Or OAD 2510 Seminar in Office Administration or elective approved by advisor.

OPERATING ENGINEERING TECHNOLOGY

The primary objective of the Operating Engineering Technology Program is to train two-year technicians for employment in one of the four options offered: Grading and Paving Equipment Operator, Plant Equipment Operator, Heavy Duty Repairman, or Universal Equipment Operator.

Other program objectives include re-training and upgrading of employees working in one of these fields of operating engineering.

Catalog Number	Course Title	Quarter Hours
BUS 1850	Personal Finance	3
EET 1110. 20	Electric Fundamentals I, II	6
ENG 1010	Composition I	6
ENG 2820	Technical Writing	3
HEA 2310	Safety and First Aid	3
MAT 1010, 20	Technical Math I, II	6
OET 1010	General Introduction to Operating	
	Engineering and History of the Labor	
	Movement	2
OET 1020	Introduction to General Construction	
	Power Sources	2
OET 1030	Introduction to Basic Power Trains and	
	Undercarriages	2
OET 1040	Introduction to Basic Electricity,	
	Hydraulics, and Pneumatics	3
OET 1110, 20, 30	Apprenticeship Field	
	Experiences I, II, III	16
OET 1210	Introduction to Fuels, Oils, and	
	Lubricants	2

²BUS 2250 Cost Accounting may be substituted for BUS 2230.

OET 1220	General Introduction to Welding, Rigging, Soils, and Compaction
OET 1230	Function of Grades and Grade Stakes2
OET 1240	Introduction to Construction
	Equipment2
OET 2540, 50	Apprenticeship Field
	Experiences IV, V18
	Physical Education Activities3
	Program Electives
	Social Science Electives9
	
	TOTAL LIQUIDO 400

TOTAL HOURS 108

POLICE SCIENCE AND CRIMINOLOGY EDUCATION

Students entering the Police Science and Criminology Education program are required to satisfactorily complete six core courses in Criminal Justice (18 quarter hours) after which they must select either a law enforcement or corrections option. Both options will provide students with an additional fifteen quarter hours (4 courses) of specialized study.

SUMMARY OF REQUIRED HOURS CORE REQUIREMENTS

Catalog Number	Course Title	Quarter Hours
BUS 2510 COR 1010 COR 1110 COR 1110 COR 1120 CST 1010 EDU 1000 ENG 2820 HEA 2310 MAT 1010 POL 1010 POL 1020 POL 1030 POL 2020 PST 1010 PST 1110 PST 1110 PSY 2110 PSY 2310 SOC 2010 SOC 2020 SOC 2030 SOC 2130	Legal Environment for Business Introduction to Corrections Juvenile Delinquency Emerging Rights of Prisoners Introduction to Data Processing Orientation to College Composition I, II. Technical Writing Safety and First Aid Technical Math I Fundamentals of American Government United States National Government State and Local Government in the United State Tennessee Government and Politics Introduction to Law Enforcement Police Science I General Psychology I Psychology of Law Enforcement Abnormal Psychology Introduction to Sociology Social Institutions Social Problems Introduction to Criminology Physical Education Activities Social Science Electives	.33333316333333333333333333333333333333

Sub-total 85

CORRECTIONS OPTION

The Corrections Option is designed to serve the educational needs of the region by preparing students for entry into a rapidly growing corrections system, which will continue to accelerate in the near future with the addition of area correctional institutions—both adult and juvenile.

Catalog	Course	Quarter
Number	Title	Hours
COR 2010	Correctional Administration and Supervision .	3
COR 2020	Cultural Dimensions of Law	3
COR 2030	Treatment in Corrections	3
COR 2200	Practicum in Corrections	6
		_
	Sub-total	15
	TOTAL HOURS	100

POLICE SCIENCE OPTION

The Police Science Option is designed to meet the needs in society for personnel capable of entry and advancement in the law enforcement field. The two-year curriculum emphasizes an academic approach to law enforcement rather than a training approach.

Catalog Number PST 2010 PST 2130, 40 PST 2200	Course Title Police Administration and Organization Police Science III, IV	6
		Sub-total 15 HOURS 100

RADIOLOGIC TECHNOLOGY¹

The Radiologic Technology program prepares an individual to accept staff responsibilities associated with X-ray technology. The program requires eight quarters to cover the 2400 hours of clinical experience required by the Joint Review Committee of the American Medical Association. Intersessions of two weeks are given between the summer and fall quarters. The radiologic technology courses are offered at Cumberland Medical Center, Crossville, TN. Graduates are eligible to take the Registry Examination which certifies them as Radiologic Technologists. The program is fully accredited by the American Medical Association.

SUMMARY OF REQUIRED HOURS

Catalog Number	Course Title	Quarter Hours
BIO 2310, 20, 30	Anatomy and Physiology I, II, III	
EDU 1000	Orientation to College	
ENG 1010, 20	Composition I, II	6
RDT 1000, 10, 20, 30	Clinical Education I, II, III, IV,	
2040, 50, 60, 70	V, VI, VII, VIII	53
RDT 1110	Introduction to Radiologic Technology	3
RDT 1210, 20, 30, 2210	Radiographic Positioning I, II, III, IV	12
RDT 1310, 20, 30	Radiographic Principles I, II, III	
RDT 1410	Terminology	2

RDT 1510, 20 RDT 1610, 2610, 20 RDT 2710, 20	Radiographic Film Evaluation I, II
	Equipment I, II4
RDT 2810	Radiation Protection
RDT 2910	Radiographic Pathology
RDT 2915, 25	Radiologic Technology Seminar I, II 4
SPE 2430	Interpersonal Communication
	Physical Education Activities ³
	Social Science Electives9

TOTAL HOURS 140

TOTAL HOURS 100

RADIOLOGIC TECHNOLOGY

(For Radiologic Technologists)

This program is designed for the radiologic technologist who has graduated from an A.M.A. approved school of radiologic technology and is certified by the American Registry of Radiologic Technologists (ARRT).

SUMMARY OF REQUIRED HOURS

Catalog	Course	Quarter
Number	Title	Hours
BUS 1810	Business Mathematics	3
BUS 2910	Management and Supervision I	3
EDU 1000	Orientation to College	
ENG 1010, 20	Composition I, II	6
PSY 2210	Educational Psychology	
PSY 2610	Psychological Aspects of Management	3
	Social Science Electives	9
SPE 2430	Interpersonal Communication	3
	Physical Education Activities ¹	3
	Electives ²	6
	Sub-tota	al 40
	ARRT certification credit	s 60

^{&#}x27;Due to the large number of hours required in this program, students may petition for exemption from the physical education activities requirement.

RECREATION MANAGEMENT AND ADMINISTRATION TECHNOLOGY

The Recreation Management and Administration Technology program leadership curriculum has been designed to provide the postsecondary student with (1) the basic background information required to understand the environment within which he/she will work, (2) the broad technical training and minimum experience necessary to be a productive employee in an entry-level job, and (3) the educational foundation needed to undertake further study within the field through in-service training, professional short courses, or—to a limited extent—enrollment in a four-year program.

A new class is enrolled each summer quarter. Prospective students are advised to submit their request for admission to the program as early as possible and at least prior to the spring quarter since special admission policies are required for this program.

²Contracts with the following hospitals are on file for the clinical experience:

Chamberlain Memorial Hospital, Rockwood

Cumberland Medical Center, Crossville

³Due to the large number of hours required in this program, students may petition for exemption from the physical education activities requirement.

²Approved by Program Director.

The Recreation Management and Administration program employs a basic core of recreation courses. After taking the basic core courses, students are allowed to select an emphasis in one or more of the following career fields: Camp Administration, Park Administration, Marine Management, and Recreation Leadership.

SUMMARY OF REQUIRED HOURS

Catalog Number	Course Title	Quarter Hours
ART 1810	School Art	3
BUS 1810	Business Mathematics	
BUS 1010	Introduction to Business	3
EDU 1000	Orientation to College	1
ENG 1010, 20, 30	Composition I, II, III	
	Biological Science ¹	
HEA 2210	Personal Health	
HEA 2310	Safety and First Aid	
PED 2720	Teaching Individual and Dual Sports	
PSY 1010, 20	General Psychology I, II	
PSY 2610	Psychological Aspects of Management	
REC 1010	Introduction to Recreation	
REC 1020	Social Recreation	3
REC 1030	Outdoor Education	3
REC 1110	Team Sports	3
REC 1310	Arts and Crafts	3
REC 2010	Organization and Administration in	
	Recreation	3
REC 2410	Field Work	3
REC 2720	Facilities Planning and Maintenance	3
SOC 2010	Introduction to Sociology	3
SOC 2030	Social Problems	3
SPE 2410	Basic Speech Communication	3
SPE 2730	Introduction to Theatre	3
	Program Electives	6
	Physical Education Activities	
	Social Science Electives	9
	TOTAL HOURS	103

¹Students desiring an emphasis in Park Administration should take BIO 2210, 20.

RESPIRATORY THERAPY¹

The Respiratory Therapy program emphasizes specialized skills in the diagnosis and treatment of individuals with respiratory abnormalties as well as prophylaxis of respiratory complications in the debilitated patient. The program includes general education courses, respiratory therapy technology courses and supervised clinical experience in area hospitals.

SUMMARY OF REQUIRED HOURS

Catalog Number	Course Title	Quarter Hours
BIO 2310, 20, 30 BIO 2510 CHE 1010	Anatomy and Physiology I, II, III Microbiology Basic Chemistry I	4
EDU 1000	Orientation to College	
ENG 1010, 20	Composition I, II	
MAT 1010	Technical Math I	

NSC 1610 PSY 2610 RTT 1100 RTT 1200 RTT 1210 RTT 1220 RTT 1310 RTT 1320 RTT 1330 RTT 1400 RTT 1440 RTT 1420 RTT 1420 RTT 1420 RTT 2100 RTT 2110 RTT 2210 RTT 2220 RTT 2310 RTT 2330	Introductory Concepts in Energy I 4 Pyschological Aspects of Management 3 Introduction to Respiratory Therapy 3 Medical Gas Therapy 4 Pathology and Physical Diagnosis 3 Cardio-Pulmonary Pharmacology 3 Pulmonary Therapeutics 4 Equipment Maintenance and Sterilization 4 Pulmonary Diagnostics 4 Airway Management and CPR 4 Clinical Education I 6 Mechanical Ventilation 4 Intensive and Rehabilitative Pulmonary Care 4 Clinical Education II 6 Neonatal and Pediatric Respiratory Therapy 4 Investigation and Analysis 2 Clinical Education IV 10
	Clinical Education IV
SPE 2440	Business and Professional Speaking3
	Social Science Electives
	Physical Education Activities

TOTAL HOURS 118

CERTIFICATE OF PROFICIENCY PROGRAMS

CIVIL ENGINEERING—DRAFTING AND DESIGN (CERTIFICATE)

The one-year curriculum in this engineering certificate program is intended to meet the need in industry for personnel capable of entry and advancement into engineering as drafters who are able to assist the engineer in routine calculations and who are familiar with materials and manufacturing processes and their capabilities.

SUMMARY OF REQUIRED HOURS

Calalog Number	Course Title	Quarter Hours
CET 2010	Construction Planning	3
CET 2250	Structural Analysis	
CET 2610	Reinforced Concrete Design	3
CET 2710	Structural Steel Design	3
ENG 2820	Technical Writing	
ERG 1.060, 70	Fundamentals of Engineering Graphics I, II	
ERG 1110	Applied Mechanics I	3
ERG 2210	Strength of Materials	
MAT 1050	Algebra and Trigonometry ¹	5
MAT 1500	Pre-Calculus	
MET 1010, 20	Manufacturing Processes I, II	6

TOTAL HOURS 45

Prospective students are advised to submit their requests for admission to the program as early as possible since there are special admission policies. See the admission policies for health occupations.

^{&#}x27;Student may substitute MAT 1010 and MAT 1020 for MAT 1050.

CIVIL ENGINEERING—SURVEYING (CERTIFICATE)

The one-year curriculum is intended to prepare the student to be more proficient in his/her ability to help the professional surveyor in the accomplishment of his/her duties.

SUMMARY OF REQUIRED HOURS

Catalog	Course	Quarter
Number	Title	Hours
CET 1000	Introduction to Surveying	2
CET 2010	Construction Planning	3
CET 2110, 20	Surveying I, II	8
CET 2210	Soil Mechanics	3
CET 2410	Traffic and Transportation Technology	3
CET 2810	Route Surveying and Highway Design	3
ERG 1060	Fundamentals of Engineering Graphics 1	
ERG 2030	Engineering Graphics III	3
ERG 1110	Applied Mechanics I	3
ERG 2210	Strength of Materials	
ENG 2820	Technical Writing	3
MAT 1050	Algebra and Trigonometry I ¹	5
MAT 1500	Pre-Calculus	5
		-

TOTAL HOURS 48

ELECTRONICS TECHNOLOGY (CERTIFICATE)

This Electronics Technology program is intended to meet the need in industry for personnel capable of entry and advancement in the highly diversified electronics field. The one-year curriculum emphasizes the practical aspects of electronic application.

SUMMARY OF REQUIRED HOURS

Catalog	Course	uarter
Number	Title	Hours
EET 1010, 20	Electric Circuits I, II	6
EET 1210	Materials and Construction Practices	2
EET 1310, 20	Electronics I, II	6
EET 1640	Electric Wiring	4
ENG 2820	Technical Writing	3
ERG 1060	Fundamentals of Engineering Graphics I	4
MAT 1050	Algebra and Trigonometry I	5
MET 1110	Materials of Industry	3
	Natural Science Electives	
	Social Science Elective	3

TOTAL HOURS 47

¹Student may substitute MAT 1010 and MAT 1020 for MAT 1050.

SECRETARIAL SCIENCE (CERTIFICATE)

The one-year Secretarial Science program is designed for a student interested in an office occupation emphasizing clerical and/or stenographic duties. The wide range of courses included in this curriculum provides training for such office work as stenographer, receptionist, typist, clerk, word processor, and secretary.

Catalog	Course	Quart
Number	Title	Hours
ENG 0100	Grammar	3
OAD 1010, 20, 30	Typing I, II, III	9
OAD 2010	Word Processing	3
OAD 2410	Business Machines	3
OAD 1210	Machine Transcription	3
OAD 1110, 20, 30 ¹	Shorthand I, II, III	15
OAD 2110 ¹	Shorthand Transcription	5
OAD 2210	Office Administration	3
OAD 2310	Business Communications	3

TOTAL HOURS 47

If a student wishes to follow a non-shorthand, one-year program, he/she may do so by substituting the 20 hours required for shorthand with electives from the Business Department (BUS, OAD, ECO, CST courses).

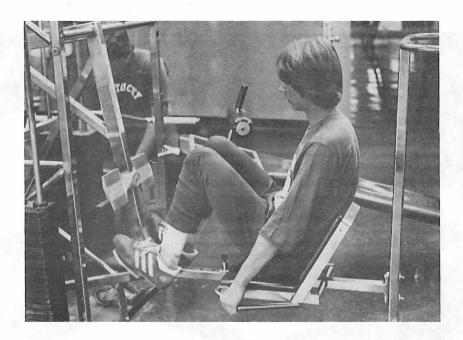


NOTICE

The provisions of this catalog constitute a contract between Roane State Community College and a student who commences any program of study insofar as it relates to the degree requirements for that program during the effective period of this catalog and the degree requirements are subject to change during such period only to the extent required by federal or state laws or accreditation standards. The specific courses or activities constituting the degree requirements for any program are subject to substitution at any time prior to completion by the student.

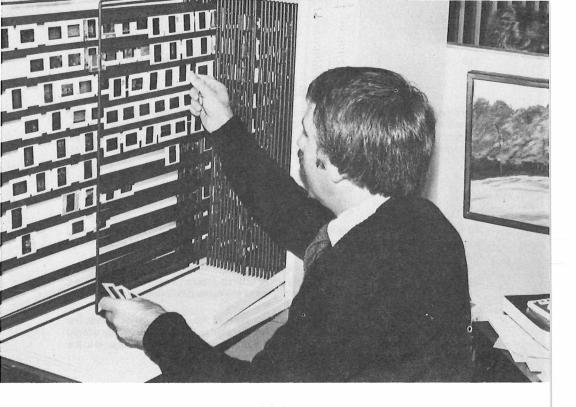
The remaining provisions of this catalog reflect the general nature of and conditions concerning the educational services of Roane State Community College in effect at this time, but do not constitute a contract or otherwise binding commitment between the College and the student. Any fees, charges, or costs, and all academic regulations set forth in this catalog are subject to change at any time, and all courses, programs and activities described in this catalog are subject to cancellation or termination by the College or the State Board of Regents at any time.

Roane State Community College 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. As a result, the College does not warrant or represent that any student who completes a course or program of study will necessarily acquire any specific knowledge or skills, or will be able to successfully pass or complete any specific examination for any course, degree, or license.

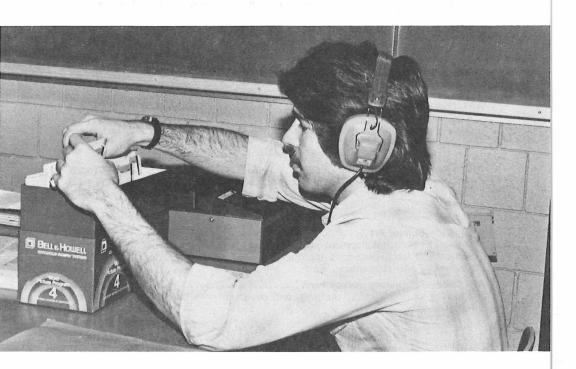








COURSES OF STUDY



COURSES OF STUDY

Unless noted otherwise, the courses listed here generally will transfer to other accredited institutions of higher education. Students who plan to transfer to a four-year institution, however, should also use a catalog from that institution in selecting courses for transfer at Roane State. The following abbreviations indicate the quarter or quarters that a course will normally be offered:

F	Fall Quarter
W	Winter Quarter
Sp	Spring Quarter
Su	Summer Quarter

All course offerings are contingent upon enrollment or a reasonable expectation of enrollment. The College reserves the right to cancel or not to offer a course when enrollment is judged insufficient.

Certain courses have prerequisites. However, in limited instances, prerequisites may be waived by the instructor and the Dean of Academic Affairs. In general, a course in a given discipline may be replaced by a course in the same discipline having a higher catalog number.

In addition to the credit courses of study in each of the following disciplines, the College also offers various special courses of study not listed. These courses are offered through the Continuing Education Program, and all inquiries should be addressed to the Director of Continuing Education.

ART

ART 1010—Art Appreciation
ART 1110—Basic Studio I
ART 1120—Basic Studio II
ART 1130—Basic Studio III
ART 1810—School Art
ART 2010—Art History Survey I

ART 2020—Art History Survey II
ART 2030—Art History Survey III—Modern Art
ART 2210—Communication Design
ART 2410—Ceramics I
ART 2420—Ceramics II
2 hours lecture—4 hours studio
ART 2430—Ceramics III
2 hours lecture—4 hours studio
ART 2510—Painting I
ART 2520—Painting II
ART 2530—Painting III
2 hours lecture—4 hours studio
ART 2540—Watercolor
ART 2550—Drawing
ART 2710—Introduction to Printmaking
2 hours lecture—4 hours studio
ART 2720—Advanced Printmaking
ART 2810—Basic Photography
An introduction to photography as a medium of art expression. Elements of visual design and basic camera skills. Elementary aspects of film development and print enlargement. Sp
2 hours lecture—4 hours lab
ART 2820—Photography II
2 hours lecture—4 hours studio

BANKING

- BNK 1100—Principles of Bank Operations(3 AIB Credits) 4 Credits
 This course presents the fundamentals of bank functions in a descriptive fashion so
 that the beginning banker may acquire a broad and operational perspective. It reflects
 the radical changes in banking policy and practice which have occurred in recent
 years. Topics covered are banks and the monetary system, negotiable instruments, the
 relationship of the commercial bank to its depositors, types of bank accounts, the
 deposit function, the payments functions, bank loans and investments, other banking
 services (trust, international, and safe deposit), bank accounting and marketing,
 external and internal controls, and the public service obligations of banks.
- BNK 1120—Money and Banking(3 AIB Credits) 4 Credits
 This course presents the basic economic principles most closely related to the subject
 of money and banking in a context of topics of interest to present and prospective bank
 management. The book stresses the practical application of the economics of money
 and banking to the individual bank. Some of the subjects covered include structure of
 the commercial banking system, the nature and functions of money, banks and the
 money supply; cash assets and liquidity management, bank investments, loans,
 earnings and capital, the Federal Reserve System and its policies and operations,
 Treasury Department operations, and the changing international monetary system.
 (Formerly BUS 2050.)
- BNK 1130—Bank Investments(3 AIB Credits) 4 Credits
 This course covers the sources and uses of bank funds and the place of investment in
 the overall scheme of bank operations. Especially important are the relationship of
 investments to business and the unique functions, advantages, and purpose served by
 a wide range of securities. Investment terminology is covered in detail.
- BNK 1140—Savings and Time Deposits...........(3 AIB Credits) 4 Credits

 This course reflects recognition of the fact that a knowledge of the historical development of savings institutions and an awareness of the basic economic function of the savings process are necessary to an understanding of the current operations and policies of these institutions. It begins with a review of the economics of the savings process in order to clarify important differences between financial savings by individuals or organizations and real savings that appear as capital formation. Different types of financial savings are reviewed in order to describe the system of financial flow from income to capital investment. Also covered are interest rates, types of savings accounts, and the management of savings institutions (asset management, operations and control, supervision, liquidity, and marketing).
- BNK 1150—Trust Functions and Services (3 AIB Credits) 4 Credits

 This course presents a complete picture of the services rendered by institutions engaged in trust business. Providing an introduction to the services and duties involved in trust operations, the course is intended for all bankers, not only those who are engaged in trust business. It endeavors to keep clear the distinction between business and legal aspects of trust functions. Topics covered are the history of trust services and institutions, trust powers and government supervision, trust department services, property, wills, settlement of estates, personal and insurance trusts, personal agencies, guardianship, employee benefits trusts, corporate trusts and agencies, investment of trust funds, and management of property and mortgages.

BNK 2100—Federal Reserve System(3 AIB Credits) 4 Credits

This course examines the operations and policies of the Federal Reserve System during critical periods over the last 60 years. The approach taken is topical rather than chronological, thereby enabling students to compare and contrast Federal Reserve policies dealing with similar problems at different periods in time. Attention is given to international monetary affairs, especially the changing role of gold, economic developments and goals which affect the stability of the American economy, and Federal Reserve efforts to adapt and influence the changing economic environment.

- BNK 2120—Analyzing Financial Statements(3 AIB Credits) 4 Credits
 This course is organized into two main sections: Characteristics of Financial
 Statements and Financial Statement Analysis. The first section serves as a useful
 review of basic accounting principles for those students who have studied accounting.
 For those who have not, this section provides the minimum accounting background
 necessary for profitable study of financial statement analysis. (It should be emphasized, however, that Analyzing Financial Statements is an advanced course and
 difficult for students with little background in accounting.) The second section of the
 course covers goals, methods, and tools of analysis; analysis of profit and loss,
 accounts receivable, inventories, and balance sheets; the relationship of balance
 sheet accounts to sales: and projected statements and cash budgets.

BNK 2170—Management of Commercial Bank

placed on the proper organizational format to achieve this potential.

of partnerships and corporations is also treated. The text concentrates on the Uniform Commercial Code in its coverage of sale of personal property, commercial paper, bank deposits and collections, documents of title, and secured transactions.

BIOLOGY

To receive credit for a biology course, the lecture section must be accompanied by a
laboratory session during the same quarter.

- NOTE: Students with the equivalent of at least 2 years of high school biology or satisfactory ACT scores may elect BIO 2610, 20, 30 (see course descriptions) instead of BIO 1110, 20, 30.

3 hours lecture—3 hours laboratory

- - 3 hours lecture—3 hours laboratory

BIO 2520—Diagnostic Microbiology
BIO 2610—Genetics
3 hours lecture—3 hours laboratory
BIO 2620—Cell Biology
3 hours lecture—3 hours laboratory
BIO 2630—Ecology
3 hours lecture—3 hours laboratory
BIO 2700—2750—Independent Scientific Investigation
BUSINESS AND COMMERCE
BUS 1010—Introduction to Business
BUS 1810—Business Mathematics
BUS 1820—Finance Mathematics
BUS 1850—Personal Finance
BUS 2010—Real Estate I

A study of Tennessee Real Estate II
BUS 2030—Real Estate III
BUS 2040—Real Estate Appraisal
BUS 2210—Principles of Accounting I
BUS 2220—Principles of Accounting II
BUS 2230—Principles of Accounting III
BUS 2250—Cost Accounting
BUS 2270—Small Business Accounting I
BUS 2280—Small Business Accounting II
BUS 2310—Income Tax Accounting—Personal
BUS 2320—Income Tax Accounting—Business
BUS 2440—Business and Professional Speaking
BUS 2510—Legal Environment for Business

BUS 2520—Business Law
individual under business law. Topics studied will include the uniform commercial code, contracts, sales, agency, partnerships, corporations, and negotiable instruments. Not designed to transfer. F, W, Sp
BUS 2610—Psychological Aspects of Management
BUS 2710—Intermediate Accounting I
BUS 2720—Intermediate Accounting II
An intensive study of the balance sheet including valuation of assets, disclosure of liabilities, proper account classification, balance sheet and related income and expense items; and preparation of financial statements including tax regulations, management needs, and credit purposes. (Prerequisite: BUS 2710) Not designed to transfer. W
BUS 2730—Intermediate Accounting III
BUS 2810—Salesmanship
BUS 2820—Retailing
A study of the principles and practices of retailing including planning, policies, and procedures of distribution. Not designed to transfer. F
BUS 2830—Marketing
A general but critical survey of the field of marketing, covering international industries and commerce, distribution of resources, factors of distribution and transportation. Not designed to transfer. Sp, Su
BUS 2900—Small Business Management
An introductory course designed to provide an overview of the business environment
and requirements for successfully operating a small business. Topics covered will include forms of business, credit management, utilizing professionals, information
management, etc. Students must secure departmental approval to take this course. Not designed to transfer. F
BUS 2910—Management and Supervision I
BUS 2920—Management and Supervision II
BUS 2930—Management and Supervision III
BUS 2940—Management Seminar
Consideration of current problems, issues, and developments in the area of management. Students are guided through individual projects and outside research related to their area of concentration and employment training. Not designed to transfer. Sp
BUS 2950—Labor Relations
A broad overview of the general nature of the labor-management relationship as it exists. Specific areas studied include: historical, legal and structural environments which influence contractural content and labor relations; and the examination of the negotiation, administration, and content of the labor contract. Students must secure departmental approval to take this course. Not designed to transfer. Sp

CHEMISTRY

To receive credit for a chemistry course, the lecture section must be accompanied by a laboratory session during the same quarter.
CHE 1010—Basic Chemistry I
CHE 1020—Basic Chemistry II
CHE 1030—Basic Chemistry III
NOTE: CHE 1010, 20, and 30 are intended for students in the humanities, the social sciences, home economics, nursing, and many programs in the agricultural sciences. These courses must be taken in sequence.
CHE 1110—General Chemistry I
CHE 1120—General Chemistry II
CHE 1130—General Chemistry III
CHE 1200—Chemistry for Dietetic Technology
CHE 2210—Quantitative Analysis
CHE 2310—Organic Chemistry I
CHE 2320—Organic Chemistry II

NOANE STATE COMMONITY COLLEGE
CHE 2330—Organic Chemistry III
CHE 2700—2750—Independent Scientific Investigation
CHEMICAL TECHNOLOGY ¹
CHT 2010—Unit Operations I
6 hours lecture—laboratory CHT 2020—Unit Operations II
6 hours lecture—laboratory
CHT 2030—Unit Operations III
CHT 2110—Matter and Energy Balances
CHT 2210—Quantitative Analysis I
4 hours lecture—laboratory
CHT 2220—Quantitative Analysis II
2 hours lecture—laboratory
CHT 2410—Heat, Mass, and Momentum Transfer
¹Courses in this program are not designed to transfer.
CIVIL ENGINEERING TECHNOLOGY ¹

CIVIL ENGINEERING TECHNOLOGY

This course reviews the duties of a surveyor, his/her obligation to the community and society and introduces the student to the tools of the profession. F 1 hour lecture—3 hours laboratory

Introduction to the equipment used in civil engineering construction and the principles of construction planning. F

CET 2050—Civil Drafting I
CET 2060—Civil Drafting II
1 hour lecture—6 hours laboratory
CET 2110—Surveying I
CET 2120—Surveying II
3 hours lecture—3 hours laboratory
CET 2210—Soil Mechanics
CET 2220—Hydraulics
CET 2250—Structural Analysis
CET 2310—Concrete Technology
CET 2410—Traffic and Transportation Technology
CET 2510—Bituminous Technology
CET 2610—Reinforced Concrete Design
CET 2620—Advanced Reinforced Concrete Design
CET 2710—Structural Steel Design

CET 2720—Advanced Structural Steel Design
CET 2810—Route Surveying and Highway Design

¹Courses in this program are not designed to transfer.
COAL MINING TECHNOLOGY ¹
CMT 1010—Introduction to Underground and Surface Mining3 Credits A course designed to provide the student with an overview of the mining industry in terms of production techniques, equipment, safety requirements, and legal restric- tions. Sp
CMT 1020—Coal Geology
CMT 1110—Mine Operations and the Law I
CMT 1120—Mine Operations and the Law II
CMT 1210—Mining Business and Records
CMT 1310—Soil Sampling and Testing
CMT 1510—Reclamation Techniques and Land Use
Planning
CMT 1610—Energy and Society
CMT 1710—Surface Mine Revegetation
CMT 1810—Mine Rescue
CMT 1910—Mining Hydraulics
CMT 1920—Mine Electricity and Hazards
CMT 2000—Mine Surveying
CMT 2010—Mine Section Layout

CMT 2110—Water Quality Control
practical use of laboratory and field test equipment. Sp
CMT 2210—Mining Internship I
CMT 2220—Mining Internship II
CMT 2230—Mining Internship III
CMT 2310—Coal Analysis and Preparation Plant Technology3 Credit Instruction (with laboratory training) is given in the approved methods of coal analysi and detailed instructions are provided in the operation of a coal cleaning an preparation plant in accordance with Bureau of Mine Safety Standards. F, W
CMT 2410—Mine Safety Management
CMT 2420—Mining Methods and Equipment Technology
CMT 2430—Gas Detection
CMT 2610—Remote Sensing
CMT 2710—Noise Measurement and Control
CMT 2720—Fundamentals of Surface Mine Engineering
CMT 2810—Mine Blasting and Explosives
CMT 2820—Mine Ventilation
CMT 2880—Mine Safety Instructor Training
CMT 2900—Special Training for Potential Miners

COMPUTER SCIENCE TECHNOLOGY

¹Courses in this program are not designed to transfer.

132	ROANE STATE COMMUNITY COLLEGE
CST 2410—Systems Analysis	nentals of management by system. The life ted in terms of (1) study and design; (2) on, and modification. Major emphasis is in
CST 2520—Advanced Computer Programs Problem formulation and advanced progr COBOL. (Prerequisite: CST 1020, CST 221 designed to transfer. F	amming in BASIC-PLUS, FORTRAN and
CST 2610—Management Information Syst This course is designed to provide the stud operation of management information system to transfer. Sp	ent with the concepts, characteristics, and
CST 2700—Management of EDP Function This course is designed to teach the confunction in an organization. The normal man to the data processing area. (Prerequisite: transfer. Sp	ncepts of managing the data processing agerial functions are discussed as related
CST 2810—Computer Organization and Pr Macro assembler programming. Elementa CST 2210) Not designed to transfer. W	
CST 2910—Cooperative Seminar This course offers a college programmed stress experience in the area of his/her major by program with local organizations. The stress seminar per week. Not designed to transfer	udy, designed to give the student practical lacing him/her in a cooperative work study udent is required to attend a one period
COOPERATIVE	EDUCATION
COE 1010—Cooperative Education I COE 1020—Cooperative Education II COE 1030—Cooperative Education III	3-5 Credits

COE 1010—Cooperative Education I	3-5 Credits
COE 1020—Cooperative Education II	3-5 Credits
COE 1030—Cooperative Education III	3-5 Credits
COE 1040—Cooperative Education IV	3-5 Credits

A sequence of experimental learning that takes place in real employment situations. The student must be approved by the Co-op coordinator, the academic department of the student's major or in an area that is being explored, and the employer for full-time or part-time paid employment in industry, business or government.

A minimum of 30 hours of actual work experience per quarter will be necessary to receive credit. The work experience will be jointly evaluated by the coordinator of cooperative education, the employer, the academic department, and the student. For further information contact the office of Cooperative Education and Placement.

CORRECTIONS

COR 1010—Introduction to Corrections3	Credits
This course includes the history of criminal corrections in the United States; and	alysis of
the crime problem; identification of the correctional client; correctional metho	ds used
in the United States; and emphasizes correctional goals in the criminal justice	system.
(Formerly PST 2310) F	-

COR 1110—Juvenile Delinquency3 Credits A study of new attempts geared toward the rebellious youthful offenders in the areas of treatment, experimentation, innovative programs, and theories of causation. W

COR 1120—Emerging Rights of Prisoners
COR 2010—Correctional Administration and Supervision
COR 2020—Cultural Dimensions of Law
COR 2030—Treatment in Corrections
COR 2200—Practicum in Corrections
DEVELOPMENTAL STUDIES1
Roane State Community College offers specialized programs to students in need of intensive preparation for college level academic work. Students are directed into this individualized work on the basis of an evaluation of high school work, placement test socres, recommendation of faculty advisors or personal assessment.
These basic courses are numbered 0100 to 0990 and should not be taken for college transfer credit. Up to six hours of such credit from courses numbered above 0200 may be used as elective credit toward the Associate Degree. These courses are not sequential and may be repeated when necessary. DVS credit cannot be earned after a student has successfully completed a higher level course in the discipline .
DVS 0310—Spelling Improvement I
DVS 0320—Spelling Improvement II
DVS 0330—Spelling Improvement III
The state of the s

These courses are a continuation of Spelling Improvement I. W

DVS 0620—Basic Science II	Credits
DVS 0710—Basic Mathematics I	Course matics,
DVS 0720—Basic Mathematics II	Credits
DVS 0730—Basic Mathematics III	redits

¹Courses in this program are not designed to transfer.

organization and administration. Sp

food preferences. Prerequisite: DFT 2210. F

DIETETIC TECHNOLOGY ¹
DFT 1010—Fundamentals of Food Service
DFT 1020—Food Principles
DFT 1030—Sanitation and Safety
DFT 1200—Chemistry for Dietetic Technology
DFT 1810—Nutrition Care Field Experience I
DFT 1820—Nutrition Care Field Experience II
DFT 2110—Food Purchasing and Cost Control
DFT 2210—Principles of Nutrition
DFT 2220—Therapeutic Nutrition

DFT 2510—Quantity Cookery
DFT 2710—Health Care Delivery Systems
DFT 2810—Food Service Field Experience III
DFT 2820—Food Service Field Experience IV
DFT 2830—Food Service Field Experience V

concurrently with DFT 2310. Sp

ECONOMICS

selected food services. Required for Dietetic Technician students (only) to take

EDUCATION

¹Courses in this program are not designed to transfer.

136 ROANE STATE COMMUNITY COLLEGE
EDU 1010—Orientation to the Education of the Exceptional Child3 Credits This course examines the educational and sociological basis for current educational practices. Site visits and supervised observation acquaint the student with services, settings, teacher and paraprofessional roles. Sp
EDU 1110—Introduction to Early Childhood Education
EDU 2010—Introduction to Education

and the school as a social institution are considered. F, Sp Course examines human development with emphasis on growth, socialization and general characteristics of developmental stages from infancy through adolescence. The school, home and peer influences are studied. Laboratory observations are

required for early childhood education majors. F, Sp

A beginning course designed to give pre-service teachers an understanding of the content and methods necessary for the operation of a successful developmental reading program in the elementary school. Attention is given to the innovative approaches for teaching reading, factors influencing reading ability, and to a survey of reading skills. W

This course is designed primarily to provide the student with those diagnostic skills and prescriptive materials that will enable him/her to meet the needs of those pupils who have difficulties in learning to read in the regular classroom situation. (Prerequisite: EDU 2710 or teaching experience.) Sp

EDU 2810—Child Development from Infancy Through Age Eight3 Credits This comprehensive study of the child from infancy through eight years examines genetic, biological, social, motor, cognitive aspects of development with implications for early childhood education and related fields. (Prerequisite: EDU 2410) W

EDU 2820—Creative Activities and Experiences for Young Children3 Credits This course is a study of a creative curriculum for young children with emphasis on the

teacher's role in aesthetic experiences in art, music, movement and rhythms. (Prerequisites: ART 1810, EDU 1110 or EDU 2810) Sp

This program is designed to provide the student and local school systems with a cooperative classroom experience. The college student will investigate the duties, responsibilities, and requirements of the teacher's aid profession. Each assigned classroom teacher will be involved with the evaluation of the student, as well as the college instructor and administrator of the school. (Prerequisite: EDU 2910) (Early Childhood Education and Special Education majors prerequisite: EDU 2410 or EDU 2810.) F, W, Sp

EDU 2930—Field Experiences in Early Childhood Education3 Credits Student is assigned a field placement in nursery, day care, kindergarten or primary grades. Observations, supervised case studies and problems of teachers, methods, materials and school organization are focuses of this course. (Prerequisite: EDU 2910-20) (Early Childhood Education and Special Education majors prerequisite: EDU 2410 or EDU 2810) F, W, Sp

ELECTRICAL AND ELECTRONICS TECHNOLOGY¹

A study of the fundamental principles of circuit analysis, including Ohm's law, Kirchoff's law, Thevinin and Norton's theorems, node and mesh equation analysis and power relations. The response of resistive, capacitive and inductive circuits to both AC and DC sources using phasor notation is also considered. F
EET 1015—Electric Circuits Lab I
EET 1020—Electric Circuits II
EET 1025—Electric Circuits Lab II
EET 1110—Electric Circuit Fundamentals
EET 1210—Materials and Construction Practices
EET 1310 Electronics I
EET 1315 Electronics Lab I
EET 1320 Electronics II
EET 1325 Electronics Lab II
EET 1330 Electronics III
EET 1335—Electronics Lab III
EET 1340—FCC License Preparation

Basic drafting practices, us • of instruments, theory of projections, and freehand sketching. Methods and principles of graphically presenting electronic information. Covers the principles of circuit layout and introduces the student to electronic symbols employed in electronic circuit schematics. Offered as needed. 1 hour lecture-3 hours laboratory Continuation of EET 1410 (Prerequisite: EET 1410) Offered as needed. 1 hour lecture—3 hours laboratory This course is a study of the design of electrical service systems for residential, commercial and industrial applications. The student will learn to design electrical systems in accordance with local and national electrical codes. Topics included will be an introduction to electrical codes, types of conductors and cables, safety grounding, overcurrent protection, branch circuits, estimate of loads, and equipment selection. The student will be given practical problems in the layout and design of electrical service systems for residential, commercial and industrial locations. (Prerequisite: EET 1020) F A continuation of Electrical Systems Design I with emphasis on advanced design problems. (Prerequisite: EET 1610) Offered as needed. EET 1630—Elements of Electrical Generation, Transmission and A study of the components of electrical power generation, transmission and generation, including transmission law theory and load flow studies. (Prerequisite: EET 1020) Sρ EET 1635—Elements of Electrical Generation, Transmission, and Distribution Laboratory1 Credit Experimental verification of principles introduced in EET 1630. Sp 3 hours laboratory EE† 1640—Electrical Wiring4 Credits Basic principles and practice of modern electrical wiring for residential, commercial and farm installations. Including installation of service entrance and ground, wiring of specific outlets and common switch legs, wiring of heavy appliances, modernization of installation, grounding theory and practice. Requirements of National Electrical Code are emphasized through course. F 3 hours lecture—3 hours laboratory The student selects an electronics project: designs, fabricates and tests the finished project. (Prerequisite: EET 1210) Offered as needed. 3 hours laboratory Subject areas in electronics selected by instructor, consistent with present needs of industry. (Prerequisite: FET 1320) Offered as needed. A study in the techniques of locating malfunctions in television and other electronic systems in a logical manner. (Prerequisite: EET 1320) Sp 3 hours lecture—3 hours laboratory Principles of digital logic theory and circuits. Presents such topics as number systems and codes, Boolean algebra, reduction techniques, and basic logic gates. Emphasis is placed on the ability to analyze the performance of a logic circuit and to carry a digital design problem from logic requiremers to final logic device diagram. Sp

EET 2315—Digital Electronics I Laboratory	
EET 2320—Digital Electronics II	
EET 2325—Digital Electronics II Laboratory	
EET 2510—Industrial Electronics and Control I	
EET 2515—Industrial Electronics and Control I Laboratory	
EET 2520—Industrial Electronics and Control II	
EET 2525—Industrial Electronics and Control II Laboratory 1 Credit Experimental verification of principles introduced in Industrial Electronics and Control II. (Laboratory to be taken concurrently with EET 2520.) Sp 3 hours laboratory	
EET 2540—Commercial Electronic System	
EET 2550—Electrical Machinery	
EET 2555 Electrical Machinery Lab	
EET 2560—Electrical Estimation and Pricing	
¹Courses in this program are not designed to transfer.	

ENGINEERING

Ε	RG 1020—Engineering Graphics II
	Continuation of Graphics I with experience in working drawings and projections other than orthographic. Special drawing techniques, assemblies, and details will be emphasized together with a special project. (Prerequisite: ERG 1010 or consent of instructor.) Not designed to transfer. W
	2 hours lecture-4 hours laboratory to be arranged
E	RG 1050—Elementary Mechanics
Ε	RG 1060—Fundamentals of Engineering Graphics I
F	RG 1070—Fundamentals of Engineering Graphics II4 Credits
_	Continuation of Fundamentals of Engineering Graphics I with experience in working drawings, projections other than orthographic, thread fasteners and springs, tolerancing and fits and gears and cams. Special drawing techniques, assemblies and details will be emphasized together with a special project. W 3 hours lecture-3 hours laboratory
E	RG 1100—Introduction to Engineering
	An introduction to the different disciplines in the engineering fields, how they apply to the solving of mankind's problems and the different levels of entry into these fields. This course should help the student decide whether or not to enter engineering as a life's work. Typical problems are solved and data presentations are considered. (Prerequisite: 1 year of high school algebra and geometry or consent of instructor) F
ΕI	RG 1110—Applied Mechanics I
	Statics of particles and rigid bodies resultants of force systems, static equilibrium, friction, and moments. (Engineering Technology and certificate students only.) (Prerequisite: MAT 1010) W, Sp
ΕI	RG 1120—Applied Mechanics II
	Dynamics of particles and rigid bodies, kinematics, kinetics, Newton's laws, and impulse-momentum. (Prerequisite: ERG 1110) F
EI	RG 1210—Blue Print Reading and Sketching
ΕI	RG 1300—Applied Thermodynamics
	An introduction to the concepts of thermodynamics and its applicability to engineering. Work, heat, thermodynamic laws, etc. (Engineering technology students only) (Prerequisite: ERG 1110)
E	RG 2010—Engineering Mechanics I
	Statics of particles and rigid bodies resultants of force systems, static equilibrium, friction, and moments. (Prerequisite: MAT 2610) (Corequisite: PHY 2110) (Transfer students only.) F
ΕI	RG 2020—Engineering Mechanics II
	Dynamics of particles and rigid bodies, kinematics, kinetics, Newton's laws, and impulse-momentum. (Prerequisite: ERG 2010) (Transfer students only) W

ERG 2030—Engineering Graphics III
2 hours lecture-4 hours laboratory to be arranged
ERG 2110—Thermodynamics
ERG 2210—Strength of Materials
ERG 2310—Fluid Mechanics
ERG 2700-2750—Independent Engineering Investigation
ENGLISH
ENG 0100—Grammar
ENG 1010—Composition I
ENG 1020—Composition II
ENG 1030—Composition III
NOTE: Composition I, II, and III are prerequisite to Sophomore English. Sophomore English requirements may be met with any two of the five Sophomore Literature courses offered–World Literature I, II, III, or American Literature I or II.
ENG 2110—World Literature I
ENG 2120—World Literature II
ENG 2130—World Literature III

ENG 2140—American Literature I
ENG 2160—American Literature II
ENG 2310—Children's Literature
ENG 2810—Creative Writing
ENG 2820—Technical Writing
FIRE SCIENCE TECHNOLOGY ¹
FST 1010—Introduction to Fire Science
FST 1030—Industrial Hazards
FST 1040—Fundamentals of Fire Prevention
FST 1050—Personal Fire and Life Safety
FST 1110—Construction Codes and Fire Protection Standards3 Credits A study of fire codes and standards. The course includes a study of modern protection equipment and building construction materials. Sp
FST 1120—Environmental Technology
FST 2010—Fire Fighting Strategy
FST 2020—Blueprint Reading and Sketching
FST 2040—Arson Detection and Investigation

	FST 2060—Fire Protection Law
	FST 2080—Methods of Fire Instruction
	FST 2110—Inspection Principles and Practices
	FST 2120—Principles of Hydraulics
	FST 2210—Hazardous Materials
	FST 2220—Water Distribution
	FST 2230—Water Suppression Systems
	FST 2510—Fire Protection Equipment and Systems
	FST 2610—Fire Department Administration
	FST 2620—Seminar
	FST 2700—Practicum

¹Courses in this program are designed to transfer ONLY into specialized programs.

FRENCH

(No prerequisite) F
FRE 1020—Beginning French II
FRE 1030—Beginning French III
FRE 2010—Intermediate French I
FRE 2020—Intermediate French II
FRE 2030—Intermediate French III
GEOGRAPHY
GGY 1010—Physical Geography I
A study of the processes and principles which govern atmospheric activity and world climatic patterns. Subjects of interest include storms (tornadoes, hurricanes, thunderstorms), air pollution, weather modification, and climatic change. F
GGY 1020—Physical Geography II
An investigation of the natural environment as a system comprised of landforms, soils, vegetation, and animals, each conditioned by climate. Topics of interest include volcanoes and earthquakes, stream erosion and mountain building, continental drifting and animal distributions, and soil formation and vegetation development. (No prerequisite) W
GGY 1030—Introduction to Human Geography
GGY 1040—Environmental Technology: Conservation of
Resources
GGY 2110—World Regional Geography I
GGY 2120—World Regional Geography II
GGY 2130—World Regional Geography III

GGY 2210—Introduction to Economic Geography
GEOLOGY
The geology sequence GEO 1610, 1620, 1630 offers students another branch of science with which to fulfill curriculum requirements, and will provide the necessary background in geology in the Mining Technology Program.
GEO 1610—Physical Geology I
GEO 1620—Physical Geology II
3 hours lecture—3 hours laboratory
GEO 1630—Historical Geology
GERMAN
GRN 1010—Beginning German I
GRN 1020—Beginning German II
GRN 1030—Beginning German III
GRN 2010—Intermediate German I
GRN 2020—Intermediate German II
GRN 2030—Intermediate German III
HEALTH
HEA 2210—Personal Health

HEA 2310—Safety and First Aid
living. F, W, Sp
HISTORY
HIS 1010—Survey of Western Civilization I
HIS 1020—Survey of Western Civilization II
HIS 1030—Survey of Western Civilization III
HIS 2110—Survey of American History I
HIS 2120—Survey of American History II
HIS 2130—Survey of American History III
HORTICULTURE
HOR 2310—Ornamental Trees, Shrubs, And Vines
HOR 2410—Residential Landscaping
HOR 2420—Landscape Maintenance

HUMANITIES

110,000 0111120
HUM 2800-2899—Humanities Seminar
INSURANCE
INT 1010—Principles of Insurance
INT 1110—Basic Life and Health Insurance
INT 1120—Basic Property Insurance
INT 1130—Basic Casualty Insurance
INT 2110—Advanced Life and Health Insurance
INT 2120—Advanced Property Insurance
INT 2130—Advanced Casualty Insurance
JOURNALISM
JRN 1110—Introduction to Mass Communications
JRN 1510—Journalism Practicum I
JRN 1520—Journalism Practicum II
JRN 1530—Journalism Practicum III
Laboratory courses offering practical experience for students working on the studen newspaper, yearbook, other campus publications and off-campus publications. Each course carries one hour credit, and students may earn up to six credits by enrolling fo one course each quarter. F, W, Sp, Su

148	ROANE STATE COMMUNITY COLLEGE
A general course in writing for major t	types of mass communications media, with isite: JRN 1110 and typing proficiency, or
Information gathering and writing technic	ques with deadline pressure. Included in the g, observation, and speech reporting for both aphasis will be given to print media.
Methods of gathering and reporting fact news features. Three hours class plus pra for the campus newspaper. (Prerequisite	s for mass media. Emphasis is on news and actical assignments which might include work e: JRN 2210 or permission of instructor) Sp
Copyreading methods and practice in ed emphasis on different types of copy an might include practical work for the can permission of instructor) Sp	iting copy for print and broadcast media, with ad refinement of writing skills. Assignments npus newspaper. (Prerequisite: JRN 2220 or
JRN 2510—Supervised Publications Wo	ork I1 Credit
JRN 2520—Supervised Publications Wo	ork II1 Credit
JRN 2530—Supervised Publications Wo	ork III1 Credit
	g
MATHE	MATICS
MAT 1000—Introduction to the Calculate An introduction to the functions of a scient a programmable calculator for solving st biological problems. A programmable (Prerequisite: 1 year high school alge Department for current model of calcula	or
Algebraic expressions and operations equations, linear and quadratic funct technology students. Not to be taken in a	

W, Sp, Su

A continuation of MAT 1010, emphasizing systems of equations, exponents and radicals, solving quadratic and radical equations, numerical trigonometry, logarithms, applications. Not to be taken in addition to MAT 1050. (Prerequisite: MAT 1010 or consent of instructor) Not designed to transfer. F, W, Sp, Su

Algebraic expressions and operations, factoring, fractions, solving equations and systems of equations, functions, graphing of functions, numerical trigonometry, logarithms, applications. Not to be taken in addition to MAT 1010 and MAT 1020. (Prerequisite: 1 year high school algebra and geometry or consent of instructor) Not designed to transfer. F, W, Sp, Su

Sets, real numbers, algebraic expressions and operations, equations, inequalities, relations, functions, graphs. (Prerequisite: 2 years high school algebra or 1 year high school algebra and 1 year high school geometry) F, W, Sp, Su

MAT 1120—Introduction to Analysis II	lits W,
MAT 1130—Introduction to Analysis III	and
AAT 1210—Trigonometry	etry or
### 1310—Symbolic Logic	
Designed primarily for students planning to enter calculus, but needing m mathematical background. Topics include sets, real numbers, functions, coordin geometry, inequalities, exponential and logarithmic functions, trigonometric fu tions, systems of equations, and the binomial theorem. (Prerequisite: 2 years of h school algebra or MAT 1050 or MAT 1010, MAT 1020) F, W, Sp, Su	ore ate nc-
MAT 2310—Concepts of Mathematics I	and ary
IAT 2320—Concepts of Mathematics II	als, ion
IAT 2330—Concepts of Mathematics III	and
An introduction to elementary methods and techniques. Topics covered inclusampling, frequency distributions, elementary probability, binomial distribution normal distributions, null hypothesis, significance of data. A statistical project of elementary nature including collecting, presenting and interpreting data is required. Primarily for computer technology and accounting technology majors. (Prerequisite college level algebra course or consent of the instructor) F, W	ns, an ed.
A continuation of hypothesis testing begun in Elementary Statistics I. Topics cover will be confidence intervals, linear regression and correlation, analysis of variance a non-parametric statistics. In addition, the student will be expected to write a computary program for each of the hypothesis tests covered. (Prerequisites: MAT 2510, CST 10 or CST 2210, or equivalent.) W, Sp	red and uter
Elementary theory of probability; frequency and density functions; expected valuand variances. Emphasis is on probability distributions and fundamental concepts statistical inference. Should be taken by students who intend to continue we statistical applications in a later course. Primarily for majors in mathematics, scient and business administration transfer programs. (Prerequisite: MAT 1130 or 2610)	ues s of vith ce,

MECHANICAL TECHNOLOGY¹

2 hours lecture—3 hours laboratory

2 hours lecture—3 hours laboratory

2 hours lecture—3 hours laboratory

1 hour lecture—6 hours laboratory

Opportunities in advanced drafting room practices are offered in this course. The student applies his/her knowledge of mathematics, science, and drawing to practical problems while he/she is designing complete machines or component parts of machines. He/she analyzes the problem, gathers data, sketches ideas on paper, does all necessary mathematical calculations, makes working drawings, and finally checks

his/her work. Throughout the course he/she is encouraged to use his/her judgment and work on his/her own initiative. (Prerequisites: ERG 1010, MET 1010) Sp

1 hour lecture— 9 hours laboratory

3 hours lecture—3 hours laboratory

2 hours lecture—3 hours laboratory

3 hours lecture—3 hours laboratory

3 hours lecture—3 hours laboratory

 terms of labor, material, and burden. Balancing work stations on production lines by graphic, as well as mathematical means to achieve constant flow and calculating machine capacities to establish completion dates, represent a major portion of the laboratory work. Sp

1 hour lecture—9 hours laboratory

MEDICAL LABORATORY TECHNOLOGY¹

3 hours lecture—6 hours laboratory

3 hours lecture—3 hours laboratory

2 hours lecture-3 hours laboratory

2 hours lecture—3 hours laboratory

¹Courses in this program are not designed to transfer.

MLT 2610—Immunohematology
MLT 2710—Seminar I
MLT 2720—Seminar II
MLT 2810—Basic Clinical Education I
MLT 2820—Basic Clinical Education II
MLT 2830—Clinical Chemistry
MLT 2840—Clinical Hematology
MLT 2850—Clinical Immunohematology
MLT 2860—Clinical Microbiology
<u>v</u>

¹Courses in this program are not designed for general transfer.

MEDICAL RECORDS¹

2 hours lecture—3 hours laboratory

MRT 1030—Medical Records III
Introduction to the disease and operation classification and indexes maintained in the medical record department. Instruction in SNDO as a nomenclature and laboratory practice in the coding and indexing by ICD-9-CM. (Prerequisite: MRT 1020) (Corequisite: MRT 1040, MRT 1230) (BIO 2330 is a Prerequisite or Corequisite) Sp 2 hours lerture—3 hours laboratory
MRT 1040—LLegal Aspects of Medical Records
To provide the student a foundation in federal and state legislation regarding medical record release, retention, authorizations and consents. The medical record in court will be presented and the mediolegal importance of accurate documentation. (Prerequisite: MRT 1020) Corequisite: MRT 1030, 1230) (BIO 2330 is a Prerequisite or Corequisite) Sp
MRT 1210—Medical Terminology I
Introduction to the principles of medical terminology and the use of word elements as building blocks for medical terminology. (Corequisite: MRT 1010) F
MRT 1220—Medical Terminology II
Further study of medical terminology with emphasis on terminology as it relates to the systems of the body. (Corequisite: MRT 1020) (Prerequisite: MRT 1210) W
MRT 1230—Medical Transcription
Additional study in medical terminology in conjunction with medical transcription. Practice transcription will include X-ray reports, medical history, physicals and summaries plus operative reports. Emphasis will also be given to the management of the steno pool and equipment selection. (Corequisite: MRT 1030, 1040) (Prerequisite: MRT 1220) Sp
2 hours lecture—3 hours laboratory
MRT 2310—Directed Practice I
Actual practice under the direction of a Medical Record Practitioner in an area hospital. Topics covered include orientation to the admitting office and the medical record department, chart assembly and analysis, release of information, statistics, coding, and filing. (Prerequisite: MRT 1030) (Corequisite: MRT 2410) F 9 hours clinical experience
MRT 2320—Directed Practice II
Hospital experience in Utilization Review, Medical Care Evaluation Studies, Hospital Committee Functions and Department Supervision. (Prerequisite: MRT 2310) (Corequisite: MRT 2420) W
9 hours clinical experience
MRT 2330—Directed Practice III
MRT 2110—Trends in Medical Records
Emphasis is placed on new federal legislation affecting health care delivery, Utilization Review procedures and Medical Care Evaluation Studies. F
MRT 2120—Advanced Medical Record Procedures
MRT 2430—Medical Records Seminar
Introduction to the Problem Oriented Medical Record and Tumor Registry. Emphasis is placed upon individual research projects performed by the students and then presented to the group for evaluation. (Corequisite: 2330) Sp

¹Courses in this program are not designed to transfer.

MILITARY SCIENCE (ROTC)
MS 1110—Fundamentals of Military Leadership and
Management
MS 2110—Applied Military Leadership and Management I
MS 2120—Applied Military Leadership and Management II
NOTE: Additional information concerning the Army Reserve Officer's Training Corps (ROTC) program may be obtained from the Counseling Center, the office of Academic Advisement, or the ROTC instructor.
MINI/MICROCOMPUTER TECHNOLOGY ¹
MCT 1100—Introduction to Minicomputers
MCT 1210—Machine/Assembly Language Programming
MCT 1810—Pulse and Switching Circuits
MCT 1815—Pulse and Switching Circuits Lab
MCT 2000—Computer Service Internship

programs. Emphasis is placed on the ability to discern between hardware and software faults and the use of operating systems and customer software to debug hardware sourced faults in systems. (Prerequisite: MCT 1100 or consent of instructor) F
MCT 2310—Digital Circuits I
MCT 2315—Digital Circuits I Lab
MCT 2350—Computer Architecture
MCT 2355—Computer Architecture Lab
MCT 2410—Peripherals I
MCT 2415—Peripherals I Lab
MCT 2420—Peripherals II
MCT 2425—Peripherals II Lab
MCT 2610—Computer Systems Maintenance/Troubleshooting4 Credits A final course of study in computer hardware and software. Emphasis is on the determination of either hardware or software failures with extensive lab time utilizing equipment with simulated or actual failures along with concentration on the use of diagnostic programs to identify and isolate a faulty device or sub-system, as well as preventive maintenance at the systems and component level. (Prerequisites: MCT 2410, MCT 2420, MCT 2350, MCT 2210) Sp 3 hours lecture—3 hours laboratory
MCT 2700—Integrated Circuits

Classroom subject areas are continued into the lab for practical, hands-on design and analysis experience. (Lab to be taken concurrently with MCT 2700) F 3 hours laboratory MCT 2810—Data Communication and Interface Design4 Credits An examination of the basic concepts of computer interfacing and A/D and D/A conversion techniques. Primary areas of study include the characteristics and operation of bus structures and the design requirements for hardware interfaces to the bus. Block diagrams and flowcharts are used for the understanding and troubleshooting of various interfaces. The accompanying lab is project oriented. (Prerequisites: MCT 2700, MCT 2350) Sp 3 hours lecture—3 hours laboratory MCT 2850—Microprocessors4 Credits A study of the design, operational characteristics, and utilization techniques of microprocessors and microprocessor systems. Microprogramming and hardware implementation of system functions are closely examined. Offered as needed. 3 hours lecture—3 hours laboratory This course allows for the examination of and investigation into a topic area of an advanced nature. The topic will be jointly selected by the student and the instructor.

(Prerequisite: consent of instructor) Sp 3 hours lecture—3 hours laboratory

MUSIC THEORY AND LITERATURE MUS 1010—Music Appreciation3 Credits Open to all students who desire a better understanding of music. In this one-quarter course music of the popular culture as well as traditional art music will be explored through class lecture as well as weekly listening assignments. F, W, Sp, Su MUS 1020—Fundamentals of Music3 Credits A beginning study of music, its terminology, and elements such as notes, scales, intervals, keys, triads, meter and smaller forms. Designed to acquaint the student with notation, the keyboard, sight singing, and ear training. Offered for non-music majors or for remedial study for music majors. F MUS 1110—Theory3 Credits MUS 1120—Theory3 Credits Harmonic analysis of common practice music, standard vocabulary of harmony, form, and counterpoint. Should be taken in sequence. 3 hours lecture MUS 1111—Theory Practicum 1 Credit Eartraining, sight singing, dictation, and rhythmic reading. Should be taken concurrently with 1110, 20. 2 hours laboratory MUS 1112—Keyboard Practicum1 Credit MUS 1122—Keyboard Practicum1 Credit Keyboard application of harmony. Should be taken concurrently with 1110, 20.

2 hours laboratory

¹Courses in this program are not designed to transfer.

MUS 2010—Introduction to Music Literature I
MUS 2020—Introduction to Music Literature II
MUS 2030—Introduction to Music Literature III
MUS 2110—Advanced Theory
MUS 2120—Advanced Theory
MUS 2130—Advanced Theory
3 hours lecture
MUS 2111—Advanced Theory Practicum
MUS 2121—Advanced Theory Practicum
MUS 2131—Advanced Theory Practicum
MUS 2112—Advanced Keyboard Practicum
MUS 2122—Advanced Keyboard Practicum
APPLIED MUSIC: ENSEMBLES
Non-music majors are invited to participate in as many of the music courses as possible, particularly chorus and band. Membership for all ensembles is by permission of the director. Members are expected to attend all rehearsals and performances. Failure to do so will result in dismissal from the ensemble and a failing mark for the quarter.
MUS 1050—Chorus
MUS 1060—Madrigal Singers
MUS 1070—Small Instrumental Ensembles
MUS 1080—Concert Band

MUS 1090—Jazz Band1 Credit
Membership by audition only. Performs arrangements for jazz, "big band," and studio
band in contemporary and jazz-rock styles. Improvisation is encouraged, but not
required. Performances regularly scheduled off-campus, as well as for student body.
F, W, Sp

APPLIED MUSIC: CLASS INSTRUCTION

Class piano or class voice is offered for secondary, applied or non-music majors.

MUS 1510—Class Lessons in Voice I	it
MUS 1520—Class Lessons in Voice II1 Cred	it
MUS 1530—Class Lessons in Voice III	n, IS

MUS 1610—Class Piano I	1 Credit
MUS 1620—Class Piano II	1 Credit

APPLIED MUSIC: INDIVIDUAL INSTRUCTION

required, F. W. Sp. Su

Private lessons in voice, organ, piano, or other instruments may be taken each quarter for one or two quarter hours credit. Any student may take private lessons, but only students performing at the college level will receive academic credit. Scheduling preferences will be given to full-time music majors. Students receive 25 minutes of private instruction per week per quarter hour of credit. Any student may take applied music instruction in a minor area. Such courses will be designated by an "M" following the course number.

Requirements include appearance in solo classes and performance before a faculty jury at the close of each quarter. A recital is required for music majors in their applied major field during their second year of study. All students taking applied music are required to attend all solo classes and other selected performances. The music department reserves the right to request qualified students to participate in recitals and other musical programs for the benefit of the College and the community. A minimum of ten hours practice per week is required. F, W, Sp, Su

MUS 1211-21-31—Individual Instruction in Brass Instruments 1 Credit
MUS 2211-21-31—Individual Instruction in Brass Instruments1 Credit (One lesson per week)
MUS 1212-22-32—Individual Instruction in Brass Instruments 2 Credits
MUS 2212-22-32—Individual Instruction in Brass Instruments 2 Credits (Two lessons per week)
MUS 1311-21-31—Individual Instruction in Woodwinds 1 Credit
MUS 2311-21-31—Individual Instruction in Woodwinds
MUS 1312-22-32—Individual Instruction in Woodwinds2 Credits
MUS 2312-22-32—Individual Instruction in Woodwinds

MUS	1411-21-31—Individual Instruction in	Strings1 Credit
MUS		Strings 1 Credit
	(One lesson	1
		Strings 2 Credits
MUS	2412-22-32—Individual Instruction in (Two lessons	Strings
MUS	1511-21-31—Individual Instruction in	Organ1 Credit
MUS	2511-21-31—Individual Instruction in (One lesson	Organ1 Credit per week)
MUS	1512-22-32—Individual Instruction in	Organ 2 Credits
MUS	2512-22-32—Individual Instruction in (Two lessons	Organ
MUS	1711-21-31—Individual Instruction in	Piano1 Credit
MUS	2711-21-31—Individual Instruction in (One lesson	Piano1 Credit per week)
MUS	1712-22-32—Individual Instruction in	Piano2 Credits
MUS	2712-22-32—Individual Instruction in (Two lessons	Piano2 Credits per week)
MUS	1811-21-31—Individual Instruction in	Percussion1 Credit
MUS	2811-21-31—Individual Instruction in (One lesson	Percussion1 Credit per week)
MUS	1812-22-32—Individual Instruction in	Percussion2 Credits
MUS	2812-22-32—Individual Instruction in (Two lessons	Percussion
MUS	1911-21-31—Individual Instruction in	Voice1 Credit
MUS	2911-21-31—Individual Instruction in (One lesson	Voice1 Credit per week)
MUS	1912-22-32—Individual Instruction in	Voice2 Credits
MUS	2912-22-32—Individual Instruction in (Two lessons	Voice2 Credits s per week)

NOTE: The student may receive credit for one full year's Individual Instruction on each level: one thousand level courses and two thousand level courses.

NATURAL SCIENCE

These natural science courses are designed to provide the student a brief exposure to various disciplines in the natural sciences. They assume little or no background in either mathematics or science and are therefore suitable for the non-scientist. All courses except NSC 1610-20-30 have no prerequisites and may be taken individually or in any sequence. NSC 1610-20-30 must be taken in sequence, and the entire sequence must be taken to be used for core curriculum science requirement.

These courses may be used to satisfy the natural science requirement in the Associate of Arts or Associate of Science degree programs in art, music, business, and education. They may also be taken for general elective credit in most curricula; as such, they can also be used to aid the student in choosing a field of study or in preparing himself/herself for additional science courses. However, these courses will not satisfy any part of the science requirements in chemistry, methematics, physics, pre-engineering, predentistry, pre-pharmacy or pre-medicine.

An introductory survey of selected topics in physics, treated on a descriptive level with a minimum of mathematics. The course concentrates on fundamental concepts and principles rather than technical applications. Topics will include the following: classical laws of motion, universal gravitation, theory of relativity, sound, music, and acoustics; light and optics; energy forms and transformations; electromagnetism; atomic and nuclear physics. The laboratory is designed to illustrate and reinforce the lecture discussions and to emphasize the role of experiment in science. (No credit is given to any student who has successfully completed PHY 2010 or PHY 2110.) F, Sp 3 hours lecture-2 hours laboratory A course which takes an ecological approach in analyzing the impact of human activities upon natural systems. Attention is given to scientific resource management principles in such areas as forestry, wildlife, soils, and water. Field observation and monitoring exercises are included in the laboratory sessions. By demand. 3 hours lecture—2 hours laboratory An introductory course designed to provide an exposure to the basic principles of physical and historical geology. Subjects considered include the nature of the earth's crust, geological processes, the geologic time scale, and paleontology. (No credit is given to any student who has successfully completed GGY 1020 or any geology course.) F, W 3 hours lecture—2 hours laboratory NSC 1310—Chemistry for the Changing Times4 Credits An introduction to chemistry and the role it plays in our society and life style. Topics will include chemistry and society; composition and characteristics of materials such as food, water, drugs, plastics, detergents, vitamins and poisons; pollution and pollution control, nuclear energy. (No credit is given to any student who has successfully completed CHE 1010 or CHE 1110.) F, Sp 3 hours lecture—2 hours laboratory NSC 1410—Survey of Astronomy4 Credits A descriptive survey of the major areas of astronomy. Topics include the following: the earth-moon system; the sun and the solar system; recent discoveries concerning the planets; the nature of stars; galaxies; ancient and current theories of the universe. Laboratory experiences will include naked eye and telescopic viewing of the heavens. F, W 3 hours lecture—2 hours laboratory Emphasis is directed toward an understanding of meteorlogic processes which produce various features of world climate, such as thunderstorms, rainfall, hail, and wind. Laboratory exercises are designed to familiarize the student with the collection and handling of climatic data, and to provide practice in analyzing weather maps. (No credit is given to any student who has successfully completed GGY 1010.) W, Sp 3 hours lecture—2 hours laboratory NOTE: The natural science sequence NSC 1610-20-30 covers the basic concepts of energy and its relationships with the basic concepts of matter, space, and time. These relationships are discovered by logical analysis and experimental observation. NSC 1610—Introductory Concepts in Energy I4 Credits Energy and its relationships to forces, motion of objects, mass, momentum, work, and heat are studied. F NSC 1620—Introductory Concepts in Energy II 4 Credits The relationships of energy to wave motion, sound, light, electricity, and magnetism

are covered. (Prerequisite: NSC 1610) W

NSC 1010—Physics for the Layman4 Credits

NSC 1630—Introductory Concepts in Energy III
stancy; saving see surplet A return - TO Dis-
NURSING
NSG 1010—Nursing I
NSG 1120—Nursing II
3 hours class—8 hours clinical
NSG 1130—Nursing III
NSG 2110—Nursing IV
5 hours class—12-16 hours clinical (variable with rotation)
NSG 2120—Nursing V
NSG 2130—Nursing VI
NSG 2910—Nursing Seminar
minutes 1. Compare the LEGG Control of the Compare
NUCLEAR TECHNOLOGY ¹
NUC 1010—Introduction to Nuclear Technology
NUC 2010—Nuclear Physics
NUC 2110—Radiation Biology
environment; food chains; radiation units and dosimetry. (Prerequisite: NUC 2010)

NUC 2120—Radiation Protection	
NUC 2310—Reactor Analysis and Design	
Instruction and practice in safe handling techniques; calibration and use of health physics instruments; nuclear detection systems, radioactive decay analysis; radioisotope production and use; shielding. (Prerequisite: NUC 2010) Six hours laboratory per week. NUC 2710—RadioIsotopes	NUC 2310—Reactor Analysis and Design
Production and properties of isotopes, scientific and industrial applications. (Prerequisite: NUC 2010) **Courses in this program are not designed to transfer.* **OPERATING ENGINEERING TECHNOLOGY¹ OET 1010—General Introduction to Operating Engineering and History of the Labor Movement	Instruction and practice in safe handling techniques; calibration and use of health physics instruments; nuclear detection systems, radioactive decay analysis; radioisotope production and use; shielding. (Prerequisite: NUC 2010) Six hours
OPERATING ENGINEERING TECHNOLOGY¹ OET 1010—General Introduction to Operating Engineering and History of the Labor Movement	Production and properties of isotopes, scientific and industrial applications. (Pre-
OET 1010—General Introduction to Operating Engineering and History of the Labor Movement	'Courses in this program are not designed to transfer.
Emphasis is placed on history of the labor union movement. OET 1020—Introduction to General Construction Power Sources	OPERATING ENGINEERING TECHNOLOGY ¹
Emphasis is placed on history of the labor union movement. OET 1020—Introduction to General Construction Power Sources	OET 1010—General Introduction to Operating Engineering and History
OET 1020—Introduction to General Construction Power Sources	of the Labor Movement
To provide the trainee with basic knowledge relevant to 2-stroke cycles and 4-stroke cycle internal combustion engines; operation of gasoline and diesel engines; a basic understanding of the combustion process and the hardware involved in providing clean air for combustion needs; and familiarize the student with the problems involved in eliminating waste heat from the engines, and the methods required to overcome these problems. OET 1030—Basic Engineer Power Trains and Undercarriages	
Provides a basic knowledge of mechanical power transmission and the rolling and carrying components of heavy construction equipment, and gives the trainee some understanding of the component parts, capabilities and limitations. OET 1040—Introduction to Basic Electricity, Hydraulics and Pneumatics To provide the trainee with a basic knowledge of electricity and the knowledge to perform checks and preventive maintenance on electrical motors and basic circuits. Also provides a general knowledge of the principles of hydraulics to include definitions, advantages, relationship of pressure and force, and its everyday applications. OET 1110—Apprenticeship Field Experiences I OET 1120—Apprenticeship Field Experiences II 4 Credits OET 1130—Apprenticeship Field Experiences III 8 Credits Field Course (On the job training, continuous learning, practicum). The program will consist of about 500, 500, 1,000 hours respectively of fairly consistent employment with one or more general contractors. The work program must meet the standards of the IUOE. The students will be under the supervision of a journeyman, or higher, employed by the contractor, a member of the joint committee, IUOE and a college representative. OET 1210—Introduction to Fuels, Oil, and Lubricants To provide the trainee with an understanding of the type of fuels, oils, and lubricants used in the heavy construction industry, how and when they are used, and how to	To provide the trainee with basic knowledge relevant to 2-stroke cycles and 4-stroke cycle internal combustion engines; operation of gasoline and diesel engines; a basic understanding of the combustion process and the hardware involved in providing clean airfor combustion needs; and familiarize the student with the problems involved in eliminating waste heat from the engines, and the methods required to overcome
OET 1040—Introduction to Basic Electricity, Hydraulics and Pneumatics	Provides a basic knowledge of mechanical power transmission and the rolling and carrying components of heavy construction equipment, and gives the trainee some
and Pneumatics	
OET 1130—Apprenticeship Field Experiences II	and Pneumatics
OET 1130—Apprenticeship Field Experiences III	OET 1110—Apprenticeship Field Experiences I4 Credits
OET 1130—Apprenticeship Field Experiences III	OET 1120—Apprenticeship Field Experiences II4 Credits
	Field Course (On the job training, continuous learning, practicum). The program will consist of about 500, 500, 1,000 hours respectively of fairly consistent employment with one or more general contractors. The work program must meet the standards of the IUOE. The students will be under the supervision of a journeyman, or higher, employed by the contractor, a member of the joint committee, IUOE and a college representative. OET 1210—Introduction to Fuels, Oil, and Lubricants To provide the trainee with an understanding of the type of fuels, oils, and lubricants used in the heavy construction industry, how and when they are used, and how to

OET 1220—General Introduction to Welding, Rigging, Soils and Compaction
A general knowledge of the principles, capabilities, and application of oxyacetylene, electric arc, and heliarc welding, and also the application of rigging.
OET 1230—Function of Grades and Grade Stakes
OET 1240—Introduction to Construction Equipment
OET 2010—Earth-moving Equipment
OET 2020—Grades and Plans for Operating Engineers
OET 2030—Mining and Tunneling Equipment
OET 2110—Electrical Systems and Electronics
OET 2120—Material Processing and Application4 Credits To provide the trainee detailed information on all types of construction material, how it is processed, and procedures used in application of construction material.
OET 2130—General Construction Equipment, Structure of Components,
Seals, and Sealants
OET 2210—Paving Equipment
OET 2220—Revolving Shovel and Crane Equipment
OET 2230—Repair and Rebuilding of Internal Combustion
Engines
OET 2240—Crushing, Screening, and Washing Plants4 Credits To provide the trainee detailed information on crushing, screening, and washing plants. To teach the controls, operation, and operator maintenance of aggregate crushing, screening, and washing plants.

OET 2310—Tools, Parts, and Housekeeping
OET 2320—Concrete Plants
OET 2330—Material Hoisting and Handling Equipment
OET 2410—Repair of Hydraulic Systems and Pneumatic
To provide the trainee detailed information on the repair of hydraulic systems and pneumatic equipment used on heavy duty construction equipment and support equipment.
OET 2420—Heavy Duty Component Repair
OET 2540—Apprenticeship Field Experiences IV
OET 2550—Apprenticeship Field Experiences V
Courses in this program are not designed to transfer.
desired in this program are not designed to statistics.
OFFICE ADMINISTRATION
OFFICE ADMINISTRATION
OAD 1010—Typing I
5 hours per week—lecture and laboratory
OAD 1020—Typing II
OAD 1030—Typing III
OAD 1110—Shorthand I
Theory of Symbol Shorthand; development of dictation and transcription abilities. F 5 hours per week—lecture and laboratory

	Type and the second sec
Further application of princip read, write, and transcribe introduced with emphasis or (Prerequisite: OAD 1110 or 5 hours	s per week—lecture and laboratory
Continued development of don speed building and maila	
Development of skill in transc emphasis on grammar, pund placed on mailable copy in the	ription
A study of the principles and on automatic typing equipm work. (Prerequisite: OAD 10	theory behindword processing with on-hands experience and applications in simulated in-basket production 20. Corequisite: OAD 1030) Sp s per week—lecture and laboratory
Improvement of ability to take the development of job con designed to transfer. Sp	scription
A study of the principles and of office materials, job inter	dechniques of office procedures, including a knowledge view techniques, job application processes, telephone gement, and office duties. (Prerequisite: OAD 1010 or transfer. W, Sp
A study of the essentials of E tals in grammar and punctua report writing. Emphasis is dictation/transcription equip	unications
OAD 2410—Business Machin Operation of adding and cal	nes
OAD 2510-2550—Seminar in An updating or analysis of a	Office Administration
	PHILOSOPHY
A study of problems that con	hilosophy
PHL 1110—Elementary Logic	c

PHL 1210—Elementary Ethics
PHL 2010—Introductions to Religions of the World
PHL 2020—Issues in Religious Studies
PHYSICAL EDUCATION
PED 1000, 1005—Adaptive Physical Education
PED 1010—Physical Conditioning
PED 1050—Slimnastics
PED 1110—Archery
PED 1210—Badminton
PED 1310—Basketball
PED 1320—Advanced Basketball
PED 1410—Beginning Bowling
PED 1420—Intermediate Bowling
PED 1510—Folk Dance
PED 1610—Beginning Golf
PED 1620—Intermediate Golf
PED 1710—Soccer
PED 1800—Social Dance

PED 1810—Modern Dance
PED 1910—Beginning Weight Training
PED 1920—Intermediate Weight Training
PED 2010—Beginning Ballet
PED 2020—Intermediate Ballet
PED 2050—Marksmanship and Firearms Safety
PED 2210—Softball
PED 2310—Swimming
PED 2410—Beginning Tennis
PED 2420—Intermediate Tennis
PED 2510—Stunts and Tumbling
PED 2520—Intermediate Stunts and Tumbling
PED 2610—Volleyball
PED 2710—Introduction to Physical Education
PED 2720—Teaching Individual and Dual Sports
PED 2730—Sports Officiating

PED 2810—Teaching Physical Education in the Elementary
Schools
PED 2820—Coaching of Baseball
PED 2830—Motorcycling
PED 2850—Playground Leadership
PHYSICS
To receive credit for a physics course, the lecture section must be accompanied by a laboratory session during the same quarter.
NOTE: The physics sequences PHY 1110-20-30 and PHY 2010-20-30 are normally offered only once a year, beginning in the fall quarter. Students planning to enroll in physics must therefore begin the sequence in the fall.
PHY 2010—General Physics I
Fundamental laws of mechanics. (Prerequisite: MAT 1130 or MAT 1500 or consent of instructor) F
3 hours lecture 3 hours laboratory
PHY 2020—General Physics II
3 hours lecture—3 hours laboratory PHY 2030—General Physics III
PHY 2110—Physics I
PHY 2120—Physics II
PHY 2130—Physics III
3 hours lecture—3 hours laboratory
PHY 2210—Modern Physics
PHY 2700-2750—Independent Physics Investigation

needed.

POLICE SCIENCE AND CRIMINOLOGY EDUCATION
PST 1010—Introduction to Law Enforcement
PST 1110—Police Science I
PST 1120—Police Science II
PST 2010—Police Administration and Organization
PST 2050—Introduction to Criminology
PST 2110—Psychology of Law Enforcement
PST 2130—Police Science III
PST 2140—Police Science IV
PST 2200—Seminar in Police Problems
POLITICAL SCIENCE
POL 1010—Fundamentals of American Government
POL 1020—United States National Government
POL 1030—State and Local Government in the United States3 Credits Forms of state and local government organizations. Interrelationships between state and local, state and federal, and local and federal governments. Sp
POL 2010—Introduction to Political Science

POL 2020—Tennessee Government and Politics
This course will examine the three branches of state government, the role of Tennessee within the federal system, city and county government, Tennessee "politics," the particular agencies and commissions that deal with law enforcement, fire science etc., and other subjects appropriate to student and course needs. As needed.
PSYCHOLOGY
PSY 1000—Effective Study (A Study Problems Group)
PSY 1010—General Psychology I
PSY 1020—General Psychology II
PSY 1030—General Psychology III
PSY 2110—Psychology of Law Enforcement
PSY 2210—Educational Psychology
PSY 2310—Abnormal Psychology
PSY 2410—Child Psychology
PSY 2420—Adolescent Psychology
PSY 2430—Psychology and Everyday Life
PSY 2450—Human Development Seminar

the small group setting. F, Sp

RADIOLOGIC TECHNOLOGY¹

8 hours clinical experience

8 hours clinical experience

1 hour lecture—3 hours laboratory—4 hours clinical experience

1 hour lecture—8 hours clinical experience

1 hour lecture—3 hours laboratory—4 hours clinical experience

Continuation of Radiographic Positioning II. New areas are cranium, sella turcica
petrous, pyramids, facial bones, zygomatic arches, optic foramina, mandible, TM, sinuses, mastoids, and ear structures. (Prerequisite: RDT 1220) Sp
2 hours lecture—4 hours clinical experience
RDT 1310—Radiographic Principles I
3 hours lecture—3 hours laboratory
RDT 1320—Radiographic Principles II
2 hours lecture—3 hours laboratory—4 hours clinical experience RDT 1330—Radiographic Principles III
Study of density factors, geometric factors, and intensifying screens. Students are introduced to different types of technique charts and taught how to formulate technique chart. (Prerequisite: RDT 1320) W 3 hours lecture—4 hours clinical experience
RDT 1410—Terminology
Introduction to the word building system through analysis of the elements of medicaterms and combining forms. Spelling and oral activities are included. Emphasis i directed to medical terms pertaining to radiology. (Corequisite: RDT 1000) Su
RDT 1510—Radiographic Film Evaluation I
Evaluation of films exposed by the students. Specific aspects emphasized are: clinica data, technique, collimation and shielding, positioning, anatomy and radiographic quality. (Prerequisite: RDT 1210) W
RDT 1520—Radiographic Film Evaluation II
RDT 1610—Radiation Physics I
RDT 2040—Clinical Education V
RDT 2050—Clinical Education VI
Continuation of Clinical Education V. In addition to the clinical experience of thi course, two weeks of 40 hours clinical experience during the intersession are required (Prerequisite: RDT 2040) F 32 hours clinical experience
RDT 2060—Clinical Education VII
Continuation of Clinical Education VI. (Prerequisite: RDT 2050) W 32 hours clinical experience
RDT 2070—Clinical Education VIII

RDT 2210—Radiographic Positioning IV
2 hours lecture-—4 hours clinical
RDT 2610—Radiation Physics II
RDT 2620—Radiation Physics III
RDT 2710—Special Examinations and Equipment I
RDT 2720—Special Examinations and Equipment II
RDT 2810—Radiation Protection
RDT 2910—Radiographic Pathology
RDT 2915—Radiologic Technology Seminar I
RDT 2925—Radlologic Technology Seminar II
¹Courses in this program are not designed to transfer.

READING

Continuation of Reading 1010. W, Sp

*Note: Special sections of REA 1010 and 1020 are taught with American History emphasis. These sections may be taken only in conjunction with HIS 2110, 2120, or 2130.

RECREATION

- **REC 2010—Organization and Administration in Recreation3 Credits**A study of essential elements and basic principles involved in the organizations, supervision, promotion, and evaluation of various types of recreation programs. Emphasis is on organized programs and services. W, Sp

REC 2610—Camp Crafts This course is designed to provide prospective leaders in camping and outdoor education with necessary camping skills. Each student will develop skills in firecraft, food selection and preparation, toolcraft, ropecraft, gear and shelter, map and compass, health and safety, nature and conservation, and leadership techniques. Emphasis is both on learning the skills and learning to teach them to others. Each student will participate in planning, executing and evaluating an overnight trip in which the acquired skills will be utilized. At the conclusion of the course, all students who have fulfilled the requirements will be awarded the Advanced Campcrafter Certificate by the American Camping Association. Sp
REC 2720—Facilities Planning and Maintenance
REC 2810—Camping and Camp Leadership
REC 2870—Recreation Leadership
RESPIRATORY THERAPY ¹
RTT 1100—Introduction to Respiratory Therapy
RTT 1200—Medical Gas Therapy
RTT 1210—Pathology and Physical Diagnosis
RTT 1220—Cardio-Pulmonary Pharmacology
This coursewill present a general description of pharmacological agents encountered in Respiratory Therapy including the effects on respiration with drugs such as anesthetic agents and narcotics. Emphasis will be placed on dosages, methods of administration, action and side effects of drugs administered by respiratory therapy personnel. (Prerequisite: BIO 2310, CHE 1010, MAT 1010, RTT 1100) (Corequisite or prerequisite: BIO 2320, RTT 1200, 1210) W

percussion and aerosol therapy will be surveyed in this course. Emphasis will be placed on administrative techniques and evaluation of therapeutic effects. (Prerequisite: RTT 1200, 1210, 1220) (Corequisite or prerequisite: BIO 2330, RTT 1320) Sp

RTT 2210—Neonatal and Pediatric Respiratory Care
RTT 2220—Clinical Education III

SAVINGS ASSOCIATION

SOCIAL SCIENCE

¹Courses in this program are not designed for general transfer to four-year institutions.

SOCIOLOGY

SOC 2010—Introduction to Sociology	dits
SOC 2020—Social Institutions	wer,
SOC 2030—Social Problems	ent, uch
SOC 2110—Introduction to Cultural Anthropology	ogy. and tion,
SOC 2120—Introduction to Prehistory and Archaeology	ced
SOC 2130—Introduction to Criminology	and reer
SOC 2140—Marriage and the Family	ıals
SOC 2150—Energy and Society	lits
SPANISH	
SPA 1010—Beginning Spanish I	lits
SPA 1020—Beginning Spanish II	lits
SPA 1030—Beginning Spanish III	∕id-
SPA 2010—Intermediate Spanish I	lits
SPA 2020—Intermediate Spanish II	lits

SPA 2030—Intermediate Spanish III
SPEECH
SPE 2410—Basic Speech Communication
SPE 2430—Interpersonal Communication
SPE 2440—Business and Professional Speaking
SPE 2450—Debate
SPE 2460—Speech Practicum I
SPE 2470—Speech Practicum II
SPE 2480—Speech Practicum III
SPE 2710—Oral Interpretation
SPE 2720—Fundamentals of Acting
SPE 2730—Introduction to Theatre
SPE 2740—Fundamentals of Theatrical Production
SPE 2750—Theatre Practicum I
SPE 2760—Theatre Practicum II1 Credit

TECHNOLOGY

TEC 1010—Man and Technology I	2-3 Credits
An introductory course which analyzes the problems that have develope	
society because of technological change. The scientific method as it	applies to the
world of work is considered. Primarily for special technology program	is.

Definition of Terms

Admission—Acceptance of a candidate for enrollment.

Admission to Advanced Standing—Granted on the basis of credits earned in another college or on the basis of demonstrated educational attainment beyond the minimum required for admission.

Advisor, Advisee—The advisor, or counselor, is the instructor assigned to help the student with his/her academic problems. The student is called the advisee.

Average, Grade Point—A measure of average scholastic success obtained by dividing the total number of grade points earned by the total number of hours of course work attempted.

Calendar—The division of the full calendar year. The quarter calendar is composed of three regular terms per year with about ten weeks per term of instruction excluding final examinations in a school year of about the same over-all length as under a semester system, running from September through early June, with the fourth quarter as a summer session.

Classification—Student status in respect to progress toward the completion of his/her curriculum based upon the number of hours or courses to his/her credit at the time of registration and scholarship achievement required for advancement to another class.

Course—Organized subject matter in which instruction is offered within a given period of time and for which credit toward graduation or certification is usually given.

Course Number—Identifies class level and distinguishes it from other courses in a given area of study.

Course Corequisite—When two or more classes are required simultaneously.

Course Prerequisite—A preliminary requirement that must be met before a certain course may be taken.

Credit Hours (Quarter Hour)—Defined by the number of hours per week in class and the number of weeks in the quarter. One quarter hour is usually assigned to a class that meets fifty minutes a week during a quarter or laboratory type instruction that meets two to four hours a week for a quarter or a combination of class and laboratory meetings depending upon the type of instruction and material covered. Therefore, a three-hour non-laboratory course would in general meet three hours each week during the quarter, and the credit earned would be THREE QUARTER HOURS. A total of 99 quarter hours is the minimum required for graduation.

Curriculum—The whole body of courses offered for study.

Dean's List—Common designation for the published list of students who have made an honor average for the term.

Degree (Earned)—Title bestowed as official recognition for the completion of a curriculum.

Degree, Associate—Granted upon completion of an education program of less than four years of college work, generally for the completion of the curriculum.

Degree Student—One who has fulfilled the admissions requirements and who is pursuing an Associate Degree program, referred to by some colleges as a regular student.

Department—An area which offers instruction in a particular branch of knowledge.

Developmental Studies—A program of studies in various areas designed to give the student background prerequisite to college level studies.

Dismissal (Academic)—Involuntary separation of a student from his/her college because he/she has not met the academic requirements.

Dismissal (Disciplinary)—Involuntary separation of a student from his/her college as a result of action taken because of misconduct.

Division—A group of related departments, such as the Humanities Division.

Elective—A subject or course which the student may choose as distinguished from courses which are required.

Financial Aid, Student—Assistance to students in the form of "gift" aid (scholarships and grants) and "self-help" aid (loans and part-time employment). It is usually based on financial need and is used for expenses related to attending college (fees, books, transportation, room and board, and miscellaneous).

Full-Time Student—One who is carrying at least seventy-five percent of the normal student hour load. Twelve quarter hours is commonly accepted as a minimum load for a full-time student.

Grant-in-Aid—A gift of money made without regard to academic excellence to a student who possesses certain talent sought or valued by an institution, such as "Athletic Grant-in-Aid," "Music Grant-in-Aid," etc., usually, although not always, made without regard to financial need.

Major—The student's primary field of interest. The field of concentration may fall within a single department of instruction or may overlap several departments. In the latter case, the major is described as a division major.

Minor—The student's field of secondary emphasis.

Part-Time Student—One who is carrying an academic schedule of less than 12 hours.

Probation—Probation status may be for academic or for disciplinary reasons. Academic probation is the result of unsatisfactory scholarship. It is not a penalty but a warning and an opportunity to improve. Academic probation usually involves a compulsory reduction of academic load and interviews for diagnosis of difficulties and for checking on recovery. Sometimes it brings a required restriction of extracurricular activities and general surveillance. Usually the student is required to make regular specified improvement in his/her record in order to avoid disqualification. Disciplinary probation is a middle status between good standing or dismissal. The student remains enrolled but under stated conditions according to the college policies. Disciplinary probation covers a stated trial period during which it is determined whether the student is returned to good standing, having met the stated requirements, or dismissed or suspended at the end of the period for failing to meet the stated requirements.

Quarter—A fourth of a school year. Three quarters constitute the academic year.

Reinstatement—The act of readmitting a student after he/she has been dismissed. **Section Number**—Refers to the specific class of the course for which the student is enrolled.

Special Student—One who is not pursuing an Associate Degree program. Special students either do not fulfill minimum requirements for entrance as degree students or have been permitted to audit a limited or special selection of degree credit courses without regard to degree requirements.

Suspension—Involuntary separation of the student from the College is implied by the term suspension. It may not be a permanent separation but neither is a definite time set when return is expected.

Transfer Student—A student who has withdrawn from one college and is admitted to another.

Transient Student—A student in good standing in any recognized college who is taking work in another college to transfer back to his/her college.

Withdrawal—A release from enrollment. A student notifies the appropriate authorities, thereby making it an Official Withdrawal. When the student merely stops attending classes without notifying the authorities, failing marks are recorded and charged against him/her. This is termed Unofficial Withdrawal.

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