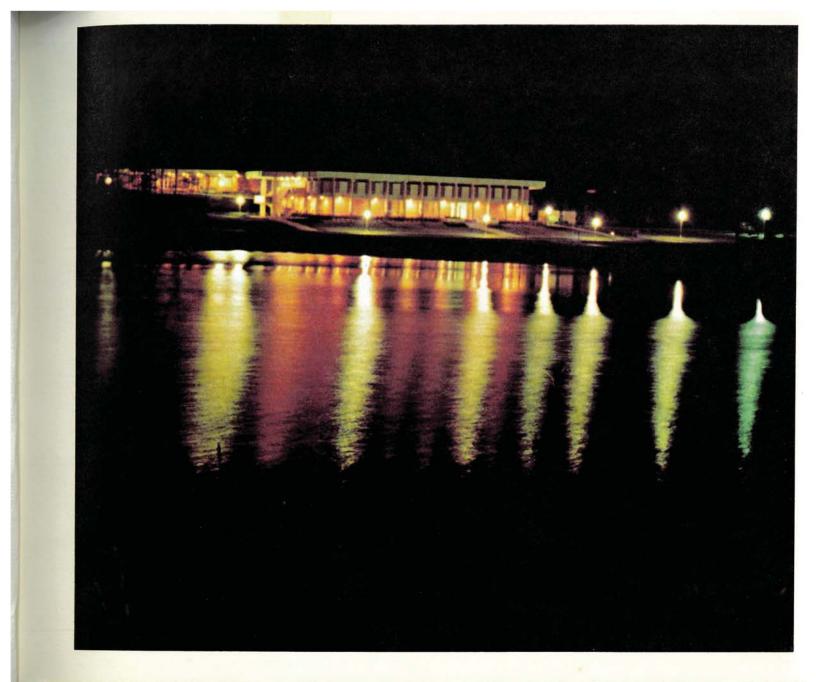


ISOTHERMAL COMMUNITY COLLEGE CATALOG VOLUME IV - JULY 1970 Published by Isothermal Community College Spindale, North Carolina 28160 Third Class postage paid in Spindale, North Carolina



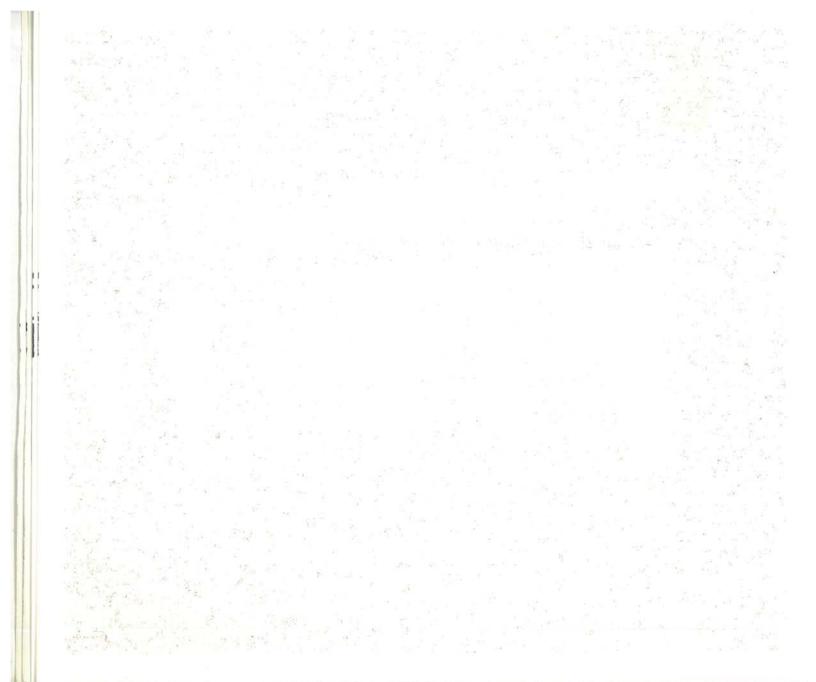


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Calendar of Events

FALL QUARTER, 1970

Sept. 8 Sept. 9 Sept. 10 Sept. 17 Sept. 24

Oct. 12-16 Nov. 18

Nov. 19, 20, 23

Registration & Orientation

Registration 1st Day of Classes

Last Day to Register and Add

Last Day to Drop Mid-Term Exams Last Day of Classes

Final Exams

WINTER QUARTER, 1970-71

Nov. 30 Dec. 1 Dec. 8

Dec. 15

Dec. 19-Jan. 3

Jan. 4 Jan. 18-22 Feb. 22

Feb. 23, 24, 25

Registration & Orientation

1st Day of Classes

Last Day to Register or Add

Last Day to Drop Christmas Holidays Classes Resume Mid-Term Exams

Last Day of Classes Finals

SPRING QUARTER, 1971

March 3

March 4 March 11

March 18

April 5-6

April 9-16 May 21

May 24, 25, 26

May 28

Registration & Orientation

1st Day of Classes

Last Day to Register and Add

Last Day to Drop Mid-Terms

Easter Holidays Last Day of Classes

Finals

Graduation

Calendar of Events

SUMMER SCHOOL, 1971

1st Session

June 7
June 8
June 10
June 15
July 5
July 9

Registration & Orientation 1st Day of Classes

Last Day to Register and Add

Last Day to Drop

Holiday

Last Day of Classes and Finals

2nd Session

July 12 July 13 July 15 July 20 August 12 August 13 Registration

1st Day of Classes

Last Day to Register and Add

Last Day to Drop

Last Day of Classes and Finals

Graduation

Summer Quarter

June 7
June 8
June 10
June 15
July 5
July 13
August 3
August 4, 5, 6
August 13

Registration and Orientation

1st Day of Classes

Last Day to Register and Add

Last Day to Drop

Holiday

No Classes

Last Day of Classes

Finals

Graduation

Calendar of Events

FALL QUARTER, 1971

Sept. 7-8 Sept. 9 Sept. 16 Sept. 23 Oct. 11-15 Nov. 17

Nov. 18, 19, 22

Registration & Orientation
1st Day of Classes
Last Day to Register and A

Last Day to Register and Add Last Day to Drop

Mid-Terms

Last Day of Classes

Finals

WINTER QUARTER, 1971-72

Nov. 29 Nov. 30 Dec. 7 Dec. 14 Dec. 18-Jan. 2 Jan. 3 Jan. 10-14 Feb. 21

Feb. 22, 23, 24

Registration
1st Day of Classes
Last Day to Register
Last Day to Drop
Christmas Holidays
Classes Resume
Mid-Terms
Last Day of Classes

Finals

Graduation

SPRING QUARTER, 1972

March 1 March 2 March 9 March 16 March 31-April 7 April 17-21 May 19 May 22, 23, 24 May 26 Registration & Orientation 1st Day of Classes Last Day to Register and Add Last Day to Drop Easter Holidays Mid-Terms Last Day of Classes Exams

President's Message

We believe that every citizen should have the opportunity to study and work in whatever field best suits his individual abilities and desires.

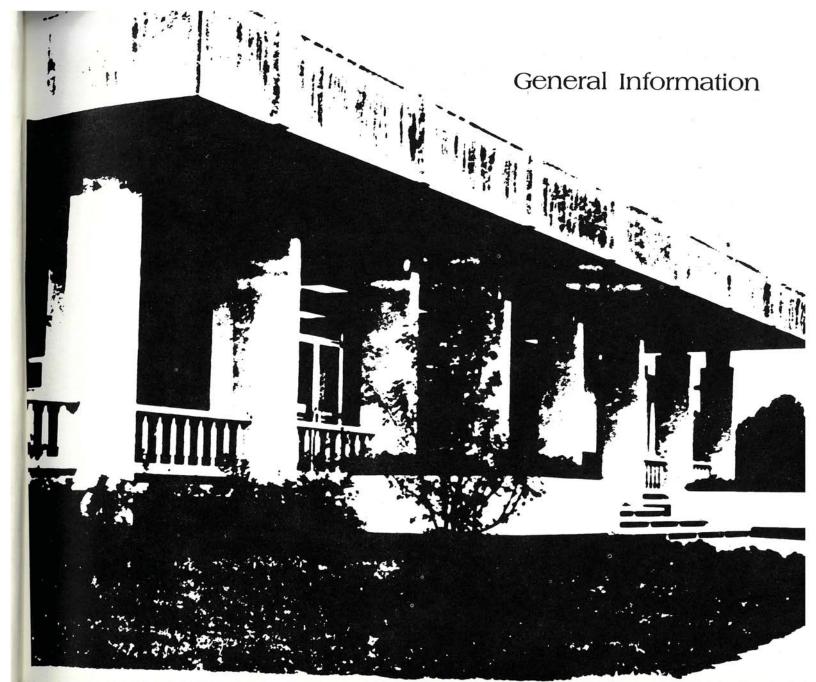
We believe that no interested and capable student should be denied the privilege of attending a college or vocational school of the highest quality.

We believe that knowledge and skill are essential to a happy productive life for our people and for the welfare of our nation.

We believe that since no one's education is ever complete, continuing education can be beneficial to any community.

Because of our belief in these principles, and in the philosophy of the Community College, we are extending every effort to bring to the people of this area the best possible education and training at a price they can afford to pay.

FRED J. EASON President



Isothermal Community College was authorized by the 1963 General Assembly under 115A, General Statutes of North Carolina. In 1964, citizens of Rutherford County approved a tax levy to support the College, and necessary capital funds were appropriated to purchase a site and construct the buildings. In 1966, Isothermal Community College formally initiated its four basic programs of instruction, occupying temporary facilities in the Avondale, Caroleen and Spindale communities.

The permanent campus of Isothermal Community College is located between the towns of Forest City and Spindale, North Carolina, just off Highway 74. Buildings have been constructed on a wooded site that provides an attractive setting for the modern facilities which serve the people of Rutherford and surrounding counties. New Highway 74 (a modern four lane highway) is under construction and will pass near the front entrance to the main campus.

The College is planned as a commuter's college with classes taught both day and night. Four basic curricula include: college transfer, vocational, technical and adult education courses. College parrallel, technical and vocational courses are planned along the lines of other college programs throughout the state. Adult education courses are initiated on the basis of adult interest and demand. Qualified instructors are selected to fill each position on the teaching staff in each curriculum.

Isothermal Community College is a comprehensive two-year institution. The purpose of the comprehensive college is to provide for all citizens beyond the normal high school age appropriate, economical, and convenient learning opportunities. The various programs include two-year college parallel and technical programs, one-year vocational programs, a variety of educational programs for adults and guidance services for in-school and out-of-school citizens. Isothermal Community College offers help for the student in developing the understandings, dispositions, and habits required for living effectively. The College also seeks to prepare students for successful entry into senior colleges and universities as juniors or for immediate entry into an occupation.

The major aims of this institution are:

1. To provide two years of transferable college credit courses for students desiring to transfer to four-year colleges.

History of the College

Purpose and Objectives

Purpose and Objectives

- 2. To provide two years of technical education appropriate to the needs of the individual and the community.
- 3. To provide vocational education for persons desiring to prepare for a trade or upgrade themselves in their present jobs.
- 4. To provide an adult program based on community needs and interests with special emphasis on the following areas:
 - Basic education courses for grades 1 8.
 - b. High school equivalency certificate.
 - c. Cultural and community service programs.
- 5. To provide a program of guidance and instruction which will help all students become effective members of a democratic society.

Accreditation

Isothermal Community College, a member of the American Association of Junior Colleges, is accredited by the North Carolina State Board of Education. Arrangements have been formulized with four-year colleges and universities whereby graduates of the college parallel division will be accepted on the same basis as transfer students from other colleges and universities during the interim before Isothermal Community College is eligible for regional accreditation.

Isothermal Community College has received a letter of satisfactory progress from the Southern Association of Colleges and Schools and full accreditation is expected by 1970.

The library is planned to provide students and faculty, both day and evening divisions, with materials needed to support and enrich the instructional program of the College.

Library

The college library contains over 18,000 volumes at the present time with books continually being added to support the various college programs. The library also subscribes to 185 periodicals and is building a good collection of films, filmstrips, film loops, tapes, phonograph recordings, slides, and microfilm for back issues of periodicals.

Students are encouraged to browse and use the reading rooms as a quiet place to study. The library is open five days a week - Monday through Thursday from 8:00 a.m. to 9:30 p.m. and Friday from 8:00 a.m. to 5:00 p.m.

The library also houses the learning laboratory (programmed materials) and the audio-visual production department. The attached auditorium is used for classes and for cultural programs open to the public.

The learning laboratory is one of the most versatile of all the learning concepts utilized by the Community College System. The laboratory uses the programmed materials approach and offers planned study in all of the areas served by the Community College. It starts at the fourth grade level and goes through the freshman year of college with additional study in specialized areas.

Probably the most significant factor for its tremendous success in North Carolina is that it allows the student to progress at his or her own rate without the necessity of gearing one's self to the pace of a particular classroom situation.

The learning laboratory serves as a second stage of our illiteracy program, as a source of preparation for the Adult High School Diploma Program, and it is also widely used by adults who merely wish to pursue subjects of interest.

There is no fee for the learning laboratory, and it is open to the students and public alike. The hours maintained will coincide with those of the library.

OFFICE HOURS. The administrative offices of the College are open Monday through Friday from 8:00 a.m. to 5:00 p.m.

TRAFFIC REGULATIONS.

- I. Registration
 - A. A student is responsible for registering his car or cars at regular registration for his initial quarter of enrollment.
 - B. A student is responsible for registering each additional vehicle that he will use on campus during his enrollment.
 - C. New license plates must be registered each year at spring quarter registration or sooner.

Learning Laboratory

Administrative Regulations

Administrative Regulations

- D. There is no charge for car registration.
- E. Each student is required to obtain a parking sticker for each of his cars and to display each sticker on each car.

II. Parking Areas

- A. Students are to park in student parking areas.
- B. Faculty and staff members are to park in faculty-staff parking areas.
- C. Parking regulations will be enforced until 6:00 p.m. each day.
- D. Students may inquire in the Student Personnel Office for emergency permission to park in areas not designated for students.
- E. Any guest receiving a parking violation should submit this to the Student Personnel Office.

III. Speeding

Speed limits as posted on campus must be adhered to.

IV. All parking violations are payable to the Spindale Police Department.

CHANGES IN REGULATIONS. Isothermal Community College reserves the right to make changes in the regulations, fees, and other matter of policy and procedure as and when deemed necessary.

ACTION BULLETINS. Action bulletins are initiated by the President of the College to inform students of current information. These bulletins are posted periodically and include information such as changes in regulations, student delinquent lists, and notification of meetings and conferences.

IT IS THE RESPONSIBILITY OF EACH STUDENT AND STAFF MEMBER TO READ AND UNDERSTAND THE CONTENTS OF THESE BULLETINS.

Evening Division

The College offers an evening program which includes many credit courses given in the daytime, as well as non-credit courses which are offered primarily for adults and special organizations in the community.

The purpose of the evening program is to make available courses to the student who must work while going to college. Any student may enroll for both evening and daytime classes.

Class schedules of all evening classes are published quarterly and are available upon request from the Student Personnel Office. Courses listed in the evening class schedule which do not receive ten or more registrations will be cancelled.

GENERAL ADMISSION REQUIREMENTS FOR CREDIT COURSES.

Isothermal operates under an "Open Door" admission policy. To enter the college parallel or technical divisions, the applicant must be a high school graduate or the equivalent. To enter the vocational division, the applicant must be at least 18 years old or have a high school diploma or the equivalent. The following requirements must also be met:

- 1. Formal application. An application for admission must be filled in by all curriculum students.
- Transcript(s). A high school transcript is required of all applicants except transfer students with 45 quarter hours of transferable work and students taking courses on an audit basis.
- Medical examination form. Students taking 7 hours or more are required to furnish a medical examination form which has been completed by a licensed physician.
- 4. College placement battery. All students are required to take placement tests which are administered by the Counseling Department, unless the student has 45 quarter hours of transferable credit from another institution. Students taking courses on an audit basis also are exempt. (See Guided Studies Program.)
- Interview. All applicants are required to have an interview with a member of the Student Personnel counseling staff. At this time, test scores will be reviewed and course recommendations made.

Students are cautioned that unless all applicable supporting documents for admission are acknowledged by the Student Personnel Office prior to their initial registration, permission to register for classes may be denied. In the case of extenuating circumstances a conditional admission to the College may be granted.

Admissions

TRANSFER ADMISSION REQUIREMENTS. Isothermal Community College will accept any transfer student who has maintained a satisfactory conduct standing at his previous institution. Each applicant requesting transfer of credits from another institution will be considered on an individual basis. Any student on disciplinary suspension from another institution must appear before the Admission Committee for approval or disapproval for admission.

Transfer students must also fulfill the following requirements:

- 1. Submit a completed application for admission.
- Provide a transcript(s) of all previous academic work. (Students transferring 45 quarter hours or more of acceptable credit do not have to provide a high school transcript.)
- 3. Provide a medical examination form signed by a licensed physician. (Students taking less than 7 hours are exempt from this requirement.)
- Students transferring less than 45 hours of acceptable credit will be required to take the college placement battery and have a pre-admission interview.

ADULT EDUCATION AND EXTENSION ADMISSION REQUIREMENTS.

Requirements for admission and application procedures for the numerous adult education programs are dependent upon the nature of the course desired. Interested persons should contact the Office of the Director of Adult Education and Extension Programs for specific information.

READMISSION. Any student having been suspended from the College for any reason must submit an application for readmission to the Registrar.

Isothermal Community College operates under the "Open Door" admissions policy. Selective placement in various curriculums is determined by a review of the student's academic background and his academic proficiency as demonstrated by his score on the placement tests.

Admissions

Students who score below the required level for the various college parallel and technical areas of instruction will be required to complete successfully a non-credit, guided studies course before registering for a beginning credit course in that particular area.

Guided Studies Program

Some students find it necessary to register for a full non-credit, guided studies program during their first quarter.

PLACEMENT TESTS. The following tests are given to all applicants applying for the college parallel and technical programs. The tests are used only for placement purposes.

- 1. Otis Quick Scoring Mental Ability Test
- Nelson-Denny Reading Test Part II
- 3. College Qualification Tests

Testing

Applicants are notified concerning testing dates and are encouraged to take the placement tests at their earliest convenience.

VOCATIONAL APPLICANTS. All applicants applying for the vocational division should take the General Aptitude Test Battery administered by the North Carolina Employment Security Commission. The applicant should contact the Employment Security Commission regarding test dates and he should request that his scores be sent to the College.

G.E.D. Isothermal Community College offers the General Educational Development Program (G.E.D.) to adults who did not complete their high school education. Upon successful completion of a series of tests, a North Carolina Certificate of High School Equivalency will be awarded. Isothermal accepts the certificate from applicants desiring to enter the College in either the college parallel or technical division.

Individuals interested in applying for the G.E.D. Program should contact the Office of Student Personnel Services for application procedures.

HIGH SCHOOL EQUIVALENCY PROGRAM. These programs are designed to enable adults to complete their high school education by

Testing

- a. preparing for the General Education Development Test (G.E.D.) that leads to the North Carolina certificate. (See section on Learning Laboratory.)
- b. earning credits required for graduation by the Rutherford and Polk County Boards of Education and the Tryon City School Board. (For further information see section on Learning Laboratory.)

Registration

The College operates on the quarter system. All students are expected to register during the time set aside for that purpose. Registration dates are listed in the College Calendar published in the front of this catalog. Students are expected to register on these dates. Registration clearance must be secured from the Student Personnel Office before the student is permitted to register.

Tuition and Fees

Isothermal Community College receives financial support from local, state, and federal sources, allowing each student an education opportunity at minimum cost. Tuition fees are set by the State Board of Education and are subject to change without notice. Cost of textbooks, laboratory fees and supplies are additional expenses which vary according to the program of study. The payment of all fees is required at the time of registration. If a student cannot pay his fees during registration, he is required to make some arrangement with the Business Manager's Office before his registration is complete.

Tuition charges are as follows:

College Parallel											
14 quarter hours or more							ě				\$42.00 per quarter
Less than 14 quarter hours		٠	ě	•	×	•					\$3.00 per qtr. hr.

Activity fee\$10.00 per quarter

Technical or Vocational

Out-of-state students pay the same tuition as in-state students.

*Student activity fee of \$6.50 applicable only if 7 or more quarter hours are carried.

REFUND POLICY.

- A. "Tuition refund for students shall not be made unless the student is, in the judgment of the institution, compelled to withdraw for unavoidable reasons. In such cases, two-thirds of the student's tuition may be refunded if the student withdraws within ten calendar days after the first day of classes as published in the school calendar. Tuition refunds will not be considered for \$5.00 or less, except if a course or curriculum fails to materialize, then the entire tuition will be refunded."
- B. "In order to comply with federal regulations in institutions not regionally accredited, the State Board authorized modification of the tuition refund policy so that veterans or war orphans receiving benefits under U. S. Code Title 38, Chapters 33 and 35, can be refunded the pro rata portion of the tuition fee not used up at the time of withdrawal of such students."

STUDENT ACTIVITY FEE. A student activity fee of \$6.50 is charged each quarter for students registering for seven hours or more. The proceeds from this fee are budgeted cooperatively by students and faculty in support of non-curricular activities. Part-time students may purchase a student activity card. Students are advised that without the activity card admission charges may be assessed at certain student activity functions.

BOOKSTORE. The College operates a bookstore where the student may purchase needed books and supplies, with profits being used for college projects and services. The hours of operation will be determined each quarter and posted.

Used books will be purchased by the bookstore if they continue to be approved for use as a text. Used prices will be determined by the condition of the book. In no case will the repurchase price be more than 60 percent of the original price.

All students should attend class before buying books. Any book sold will be considered used when repurchased even though the incorrect book was purchased.

CLASS RING AND GRADUATION FEE. All orders for class rings, caps and gowns, and graduation invitations will be made through the Business Office. Notices will be posted relevant to dates for measurements. Students are urged to be prompt when making these orders.

Tuition and Fees

Academic Matters

CLASS ATTENDANCE. Every student is expected to attend all of his classes and is responsible for all class work. In the event that a class must be missed, a student may miss one class hour per quarter hour credit with an allowed maximum as stated below. When a student exceeds the maximum allowed absences, he will be withdrawn from the course by the instructor unless the student provides the instructor with a written statement from the division director justifying the excessive absence.

The student must understand that this system of absences is designed to allow only for unavoidable absences.

Quarter	Class	Number of Class
Hours	Meetings	Meetings A Student
Credit	Per Week	May Miss
3	3	3
3	2	2
3	1	1
5	5	4
1	1	1
4	3	3
1	2	2
3	5	3
3	4	3

ACADEMIC CONTINUATION. When the student has attempted 25 quarter hours of credit and has less than 1.0 cumulative grade point average, he may elect to change programs or be placed on academic probation with the stipulation that he must achieve at least a 1.50 grade point average for the probationary quarter in order to remain in his present program.

Any student on academic probation who fails to meet the minimum academic requirement for continuation in a particular program may elect to do one of the following:

 Change his division, in which event he would be eligible to return to his original program after two quarters. Any student who reverts to his original division will be placed on probation requiring a 1.5 academic grade point average for that quarter. Withdraw from the College for a period of one year, after which time he will be eligible to return to his original division with the stipulation that he is on academic probation and will be required to achieve a 1.5 academic grade point average for that quarter.

After attempting 60 quarter hours, the student with a cumulative grade point average less than 1.50 will be placed on academic probation with the stipulation that he must improve his GPA for the current quarter. Any student failing to show improvement in his GPA at the end of the probationary period will have his future academic status reviewed by the Committee on Academic Continuation.

GRADING SYSTEM. Isothermal Community College is on a quarter system. Normally, one unit of credit is equal to one class hour meeting time per week. Where the laboratory is required, one credit hour will equal at least two hours of laboratory time.

The grading system is as follows:

Gra	de Significance	Quality Points				
Α	93-100	4 per quarter hour				
В	85-92	3 per quarter hour				
C	77-84	2 per quarter hour				
D	70-76	1 per quarter hour				
F	Failed	0				
DR	Dropped	0				
DRF	P Dropped Passing	0				
DRF	F Dropped Failing	0				
I	Incomplete	0				
NC	No Credit (Audit)	0				

A grade of "I" is assigned when the course work is incomplete. This grade can be removed if the course work is completed satisfactorily before the end of the following quarter.

Courses with earned grades of "D" or "F" may be repeated. Courses with earned grades of "C" or better may be repeated only by special permission from the Dean of Instruction.

Academic Matters

Academic Matters

ACADEMIC LOADS. A load of 12-19 credit hours constitutes a normal load for a student enrolled in the college parallel division. A load of 12-21 credit hours constitutes a normal load for a student enrolled in the technical or vocation division. Students who wish to register for more than the normal load must get the approval of the Dean of the College.

EXAMINATIONS. Final examinations in all subject areas are held at the end of each quarter. The examination record combined with the record made in class constitutes the student's final grade.

GRADE REPORTS. A written mid-term report will be mailed to the parent if the student is failing a course before the end of the sixth week. Final grade reports are furnished to the student at the end of each quarter.

STUDENT CLASSIFICATION.

Freshman - A student who has earned fewer than 45 quarter hours of credit.

Sophomore - A student who has 45 hours or more quarter hours of credit.

Part-Time - A student who is enrolled for less than 12 quarter hours.

NUMERICAL DESIGNATION OF COURSES. Courses in Isothermal Community College catalogs are numbered in accordance with the North Carolina Department of Community College System.

- 1. All college preparatory courses are indicated by a prefix, and numbers range from 0-99.
- (a) All freshmen academic courses are indicated by a three-letter prefix and numbers ranging between 100-199.
 - (b) All sophomore academic courses are indicated by a three-letter prefix and numbers ranging between 200-299.
- 3. (a) All freshmen technical courses are indicated by a three-letter prefix, numbered between 100-199 and preceded by the letter "T".
 - (b) All sophomore technical courses are indicated by a three-letter prefix, numbered between 200-300, and preceded by the letter "T".
- All vocational courses are indicated by a three-letter prefix and numbered between 1000-2000.
- All adult education courses beyond the high school are indicated by a three-letter prefix and numbered 2000-3000.
- All high school courses are numbered according to the North Carolina Public School course number system.

In order to drop or add a course or to change a course section, the following steps should be adhered to before the changes are official:

- 1. Secure change of schedule form from Student Personnel Office.
- Drops and adds must be approved by the faculty advisor and instructor. (No one will be allowed to add a course or change sections after the last day to register.)
- 3. Change of sections must be approved by the instructor(s) involved.
- All notifications of schedule changes must be acknowledged and recorded by the Registrar before the change is official.

A student may officially drop a course during the first two weeks of the quarter without academic penalty. If a student drops a course after this deadline, he will receive a grade of "DrP" (dropped passing) or "DrF" (dropped failing). A "DrF" carries the same value as an "F" (failure).

DIVISIONAL CHANGES.

- Any student desiring to change divisions should report to the Director of Student Personnel Services. The Director will initiate a divisional change sheet and refer the student to the Student Personnel counselor.
- 2. If testing is necessary, the counselor will administer the appropriate battery of placement tests to the student. Test scores will be reviewed and recommendations made to the divisional chairman.
- The divisional chairman will review the student's test scores and his academic
 work to date. If the divisional change is approved, the student is asked to
 report to the Registrar's Office to begin registration.

PROGRAM CHANGES.

- 1. Student requests for a change in program that requires a divisional change will be handled in the same manner as outlined under "Divisional Changes."
- Changing programs within the same division does not require placement testing. However, these changes must be acknowledged by the Director of Student Personnel Services and approved by the divisional chairman.

Schedule Changes

Change In Divisions or Programs To withdraw from the College, the student will use the following procedure:

- The student will obtain a withdrawal form from the Director of Student Personnel Services.
- The official date of a student's withdrawal from the College is the exact date that he makes his request for withdrawal. The Student Personnel Office notifies each instructor of the name of the student and the official date of withdrawal.
- 3. A student may withdraw during the first two weeks of the quarter without scholastic penalty. This procedure, if followed, will entitle the student to have his permanent record show the notation "withdrawn." This notation indicates good standing and the privilege of readmission.
- 4. Any student who withdraws after the first two weeks of the quarter will receive a grade of "WP" or "WF". A student who withdraws unofficially from the College without following the proper procedure will receive the grade of "WF".

REQUIREMENTS. Requirements for the degree or diploma will vary according to curriculum. The student should refer to the required courses in the catalog which applies to his program so that he can ascertain the course requirements for graduation. All students must have a grade point average of 2.0 ("C" average) to be eligible for graduation.

Graduation

In the case of students transferring into Isothermal Community College, at least half of the credits required for graduation must be earned at Isothermal Community College or a member institution within the North Carolina System of Community Colleges.

COMMENCEMENT EXERCISES. Commencement exercises to award degrees and diplomas to students in respective divisions are held at the conclusion of the spring and summer quarters. Students are expected to file graduation applications with the Registrar's Office at least one quarter preceding commencement exercises. The specific dates of graduation are listed in the College Calendar in the front of this catalog. All students who are eligible to receive degrees and diplomas are expected to participate in graduation exercises unless excused by the Dean of the College.

Withdrawal From College

DEAN'S LIST WITH HIGHEST HONORS. The Dean's List is designed to recognize all students whose academic performance is outstanding. In order to qualify for the Dean's List with Highest Honors, a student must carry at least twelve (12) quarter hours of credit work during the quarter and maintain a 4.0 quality point average for the quarter.

DEAN'S LIST. In order to qualify for the Dean's List, a student must carry at least twelve (12) quarter hours of credit work during the quarter and maintain a 3.0 quality point average for the quarter.

GRADUATION WITH HONORS. Students who complete a degree or diploma program with a quality point ratio of 3.6 or better will be graduated with High Honors. The student who earns a quality point ratio of 3.00 to 3.59 will be graduated with Honors.

AWARDS DAY. Awards Day is an annual assembly, held to recognize students whose scholarship, leadership, citizenship and service have been meritorious and noteworthy. Each division as well as department of Isothermal Community College is entitled to give recognition to those students whose achievements have evinced the highest level. Appropriate certificates, trophies, or plaques and letters of citation are presented to the winners.

WHO'S WHO AMONG STUDENTS IN AMERICAN JUNIOR COLLEGES.

Annually, a directory recognizing outstanding campus leaders from over 500 junior colleges in the 50 states and the District of Columbia is published in Tuscaloosa, Alabama. Only second-year college students are eligible for nomination. Nominees are selected each year by a faculty committee, composed of representatives from each department of the College. The number of nominees is determined by the national office, based on present enrollment. The selection committee is instructed to consider students whose academic standing, service to the community, leadership in extracurricular activities and future potential are decidely above average. The winners submit biographical information which is included in the Directory, receive a certificate suitable for framing, and are eligible for placement service when they seek employment.

Honors

All student services and out-of-class activities are coordinated through the Office of Student Personnel Services. Professional staff members are available to provide assistance to individual students and groups on matters affecting student well being. This section of the catalog outlines the various services available at the College.

Student Services

STUDENT COUNSELING. The Student Counseling Center is located in the Office of Student Personnel Services and is in operation for the benefit of all students.

A professional counseling staff is available to assist the student with personal, social, educational, or vocational problems. Referral is not necessary, and students with problems or questions are encouraged to see members of the counseling staff at any time. Group counseling sessions are encouraged in cases where several students wish to talk over a similar problem.

Also included in the counseling program are individual and small group tests which may be given on student request, and/or on the recommendation of the counselor. Specific academic subject areas, problem check lists, and interest inventories are among the tests available.

Occupational and educational information is on file in the Center and students are encouraged to use the pamphlets, books, college catalogs, brochures and leaflets on hand. Students who cannot find desired information should contact the counselor who will assist the student in obtaining such.

ACADEMIC COUNSELING. Any student whose cumulative quality point average is less than 1.0 at the end of any quarter will be requested to report to the Office of Student Personnel Services for counseling. The counselor will attempt to identify the problems of the student. If mutually agreed, the counselor may direct the student to a program for which he is better qualified.

PLACEMENT SERVICE. The College will assist students in securing parttime employment during their enrollment and will give special attention to the placement of students who graduate in the occupational educational curriculums. Information on employment opportunities is posted on the Student Personnel bulletin board. Applications can be secured and turned in to the Director of Student Personnel.

HEALTH SERVICES. Each student is required to have a physical examination prior to enrollment. Health problems are identified and recorded for future reference in case of emergency.

A first aid station is available in the Administration Building for treatment of minor injuries. Arrangements for emergency treatment are referred to local physicians. In all cases involving serious illness or accidents, parents will be notified immediately.

Procedures in case of accident or sickness:

- In the event of accident or emergency, notify the Student Personnel Office immediately.
- 2. If the accident is believed serious, the student should not be moved, but made more comfortable until help arrives.
- 3. If the student is able to move, he should be assisted and taken directly to Room 123 in the Student Personnel Office.

HOUSING. The College does not provide living accommodations for students. A list of available housing is prepared annually to assist out-of-town students in locating housing facilities. In all cases the student is responsible for making his own arrangements to secure housing. The College assumes no responsibility for rental negotiations between students and homeowner.

FOOD SERVICES. Food and drink is served through vending machines in the Student Center. Light lunches may be secured throughout each day of operation.

STUDENT CENTER. The College operates a Student Center for relaxation and recreation during the day. The Center is also opened in the evenings. Available for student use are the following: a pay telephone for personal service, a juke box, and ping-pong tables. Students are urged to make recommendations to the Student Government Association relevant to additions or deletions of recreational equipment or food matter.

ACCIDENT INSURANCE. At a nominal cost to students, the College has authorized a voluntary group accident insurance program for the welfare of its students. Coverage extends for the entire year at a cost of \$3.00 per student. The College urges each student to purchase accident insurance during his initial registration.

ORIENTATION FOR FRESHMAN AND TRANSFER STUDENTS.

The purpose of Orientation Day is to introduce the student to his new environment and to acquaint him with the policies and ideals of the College. All new freshman and transfer

Student Services

Student Services

students are required to register for Educational Orientation 101 to assist them in making an easy and normal transition to college life.

SELECTIVE SERVICE. Selective Service requires evidence of enrollment for all students registered with them within 30 days after school opens each year. It is the student's responsibility to submit the request for deferment form through the Student Personnel Office so that his enrollment can be verified. These forms are made available at registration and may be obtained at any time in the Student Personnel Office.

VETERAN AFFAIRS. Veterans entitled to educational subsistence should make application to their local Veterans Service Officer. (The Rutherford County Veterans Office is located in the Rutherford County Courthouse.) The Veterans Administration Regional Office serving the state where a student registers will acknowledge eligibility and educational entitlement by directing a Certificate of Eligibility to the student. This important document must be submitted to the Student Personnel Office for certification of enrollment.

The V.A. uses the following schedule of hours to determine veterans benefits. According to the Veterans Administration, the following number of credits or hours constitute what is considered full-time, three-quarter time, and one-half time in each division:

College Parallel Division

Full time
3/4 time
1/2 time
Technical Division
*
Full time
3/4 time
1/2 time
(Theory and class instruction predominates)
Vocational Division
Full time
3/4 time
1/2 time

Students in technical and vocational programs will not be classified as full-time students for benefits under the G.I. Bill unless technical students are enrolled for twenty-five clock hours per week and vocational students for thirty hours per week. When in any quarter the total weekly contact hours listed are fewer than twenty-five in a technical curriculum and fewer than thirty hours in a vocational trade curriculum, a student may enroll on request for additional instructional hours deemed by the institution to be consistent with the program and appropriate to the student to make up twenty-five hours per week in a technical curriculum or sufficient hours of attendance to make up thirty hours per week in a vocational trade curriculum.

Student Services

The contact hours shown in the catalog are minimal. It is a policy of this institution to permit students to enroll in additional subjects and laboratory work beyond those shown in the catalog in order to broaden this training.

Isothermal Community College provides a variety of extra-curricular activities for students. All student activities are coordinated through faculty supervision. Listed below are the opportunities available at the College for students to express and develop special interests.

STUDENT GOVERNMENT ASSOCIATION. All students of the College are members of the Student Government Association and are entitled to all membership priviledges of the organization. The Student Government Association is active in promoting the interests of the students, improving facilities, planning social functions, and assisting student organizations.

The president of the Student Government Association is the chief executive which includes divisional representatives and members at large. Student interest and help are welcomed at all times.

INTRAMURAL ATHLETICS. Seasonal sports are organized each quarter. This program gives the student an opportunity to engage in various forms of physical activity such as: basketball, softball, tennis, golf, badminton, and volleyball. All interested students are invited to participate in these activities.

INTERCOLLEGIATE ATHLETICS. The College offers athletics on the intercollegiate level in basketball, golf, and tennis. Isothermal Community College is a member Student Activities

Student Activities

of the NJCAA and maintains an independent status while scheduling athletic contests with other NJCAA 2-year colleges in its geographic regions. Male students are eligible for varsity participation providing that they meet the eligibility requirements prescribed by the NJCAA.

ALUMNI ACTIVITIES. Isothermal Community College maintains a list of alumni and keeps them informed of college activities by means of a newsletter several times a year.

LECTURES AND CONCERTS. The Fine Arts Committee exists to bring programs in painting, drama, music, dance, art cinema, and literature to the College for the enjoyment of both students and community. It attempts to present the arts not only as aesthetic enjoyment but also as reflections and interpretations of an era. To these ends, the Committee has in the past sponsored art exhibits, foreign films, music recitals, and lecturers. The Committee invites both local participants and visiting scholars, and also artists from other colleges and universities to present programs.

COLLEGE SINGERS. The College Singers provide musical concerts for the enjoyment of the students and general public throughout the year. Its membership is open to all students with vocal or other musical talent and interest.

PUBLICATIONS. The yearbook, "Sentinel," recalls the events of the school year. It is compiled and edited by an elected staff of students with assistance provided by faculty advisers.

The college newspaper, "Patriot," published bi-monthly, provides communication to the student body. Through this media, students are brought up to date on college current events such as: Student Government meetings, student activities, editorials, intramural and intercollegiate sports.

BUSINESS CLUB. The club was organized to assist students in the development of business leadership. Literature is reviewed in all fields of business.

INTERCLUB COUNCIL. Membership in the Interclub Council is open only to presidents of campus clubs or organizations. This group acts as a line of communication to all campus clubs or organizations and provides information to the student body pertinent to meetings and events. The Council establishes guidelines for the selection of candidates for the titles of Mr. and Miss I.C.C. each year.

SIGMA CHI. This organization is a chapter of Phi Theta Kappa honoring fraternity. This institutional chapter was organized to recognize students of top academic standing at Isothermal Community College.

RADIO CLUB. The Radio Club is open to any student who wishes to learn or develop skills in the art of electronics. The purpose of the Club is to exchange information, promote radio knowledge, and improve operational techniques. One of the principle objectives of the Club is to conduct programs and activities on the air in an effort to stimulate general interest and promote amateur radio in the community.

ST. LUKE'S GUILD. The purpose of St. Luke's Guild is to give artistically inclined students the opportunity to exercise their individual talents by producing and presenting their work in the community.

VOCATIONAL ASSOCIATION. Membership is restricted to students enrolled in the vocational division. This organization is concerned with promoting a better public image of occupational education in our schools and community, encouraging vocational students to participate in college affairs, and to assist in the development of existing and new courses.

Isothermal Community College is actively engaged in federal and state financial aid programs. Awards are based on financial need and academic merit. The need is judged by the total financial picture of the student and his family. Academic merit is determined by the same factors considered in connection with admission - high school achievement and placement test results.

Students may secure information and financial aid applications by contacting the Director of Student Personnel in the Student Personnel Office. Listed below are the programs of financial assistance that are available at the College.

EDUCATIONAL OPPORTUNITY GRANTS. This program is available to students with exceptional financial need. Educational Opportunity Grants vary in amounts due to individual needs and availability of funds. Grants can range from \$200 to \$800 a year and can be no more than one-half of the total assistance awarded to the student.

COLLEGE WORK-STUDY PROGRAM. Students, particularly those from low-income families, who need a job to help pay for college expenses are potentially eligible for employment by their colleges under federally supported work-study programs.

Student Activities

Financial Assistance Program

Financial Assistance Program

The amount of hours a student can work a week will depend on the division he is enrolled in. During the summer or other vacation periods when they do not have classes, students can work full-time (40 hours per week).

NATIONAL DEFENSE STUDENT LOANS. National Defense Student Loans are awarded in conjunction with other forms of financial assistance. The repayment period and the interest does not begin until nine months after the student ends his studies. The loan bears interest at the rate of 3 percent each year and repayment of principal may be extended over a ten-year period, except that the Institution requires a minimum repayment of \$15.00 per month.

If a borrower becomes a full-time teacher in an elementary or secondary school or in an institution of higher learning, as much as half of the loan may be forgiven at the rate of 10 percent for each year of teaching service.

Other forms of financial assistance are available.

SCHOLARSHIP LOAN FUND FOR PROSPECTIVE TEACHERS OF NORTH CAROLINA. This loan program is administered through the State Department of Education. Maximum loan consideration is \$600 per year and is renewable for four years. A percentage of the loan will be cancelled for each year of teaching service in North Carolina. Applications can be obtained from the Financial Aid Director in the Student Personnel Office. Students are advised to submit their applications early in the year.

GUARANTEED LOAN PROGRAM. Loans are available to both incoming freshmen and currently enrolled students through the Guaranteed Loan Program. Under this program, one may borrow from a bank or other private financial institutions. Additional information and applications can be obtained through the Director of Financial Aid.

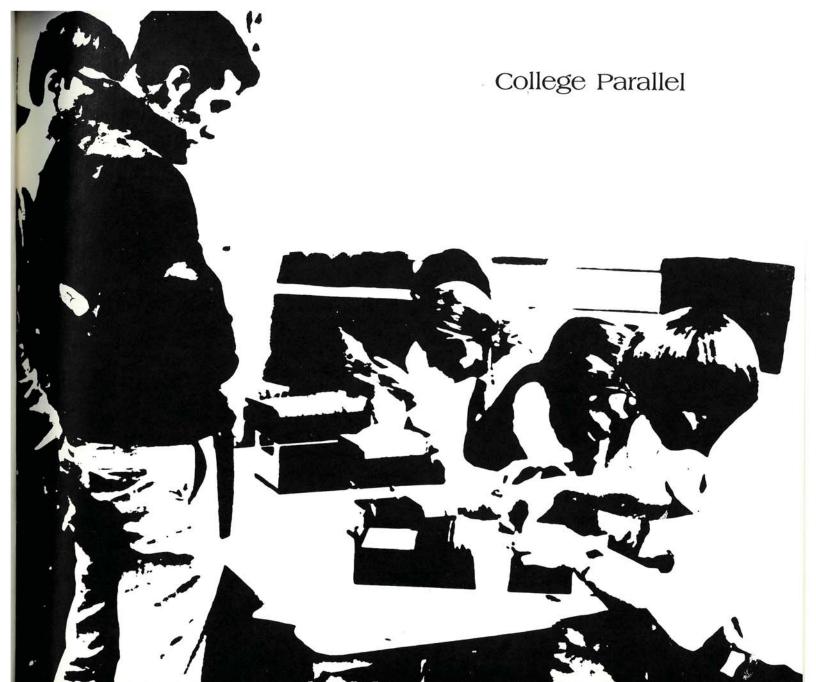
INSTITUTIONAL SCHOLARSHIPS. The College provides a variety of scholar-ships each year in support of the Financial Aid Program. The Awards range from \$24.00 to \$500.00. Top priority is extended to students with extreme financial need.

CONDUCT. The conduct of a student, both in and out of school, will be measured on an adult standard. He assumes full responsibility for the consequences of his actions and behavior. It is the personal responsibility of each student to uphold the rules and regulations of Isothermal Community College. The College reserves the right to dismiss any student who in its judgment conducts himself in a manner that is not in compliance with the purposes of this institution.

DRESS. One of the purposes of college experience is to afford a student the opportunity to practice effective personal grooming. Appropriate dress is encouraged and required. While the College aims to honor the individuality of each student, it reserves the prerogative to announce and implement regulations concerning dress.

ADDITIONAL INFORMATION ON RULES AND REGULATIONS IS CONTAINED IN THE STUDENT HANDBOOK. IT IS THE INDIVIDUAL RESPONSIBILITY OF EACH STUDENT TO READ AND UNDERSTAND THIS HANDBOOK.

Student Responsibilities



The college parallel division has several missions. First, it makes available in preplanned programs of study the first two years of college for students who intend to transfer to a senior college or university to complete a baccalaureate degree. These are called transfer programs. Second, it provides individual college courses for our out-of-school citizens who desire, for a variety of reasons, to continue their education. Finally, it provides the opportunity to study in the arts and sciences for those whose desire for such an education is satisfied by two years or less of work. The degree Associate in Arts is awarded to those who complete all requirements for that degree.

College Parallel Programs

The student who plans to transfer to a senior college or university from Isothermal Community College is advised to give careful attention to several important considerations.

- The transferability of courses taken at Isothermal is determined solely by the
 institution to which the student transfers. Courses numbered 100 through
 299 are generally accepted by senior institutions. Courses numbered below
 100 are developmental studies and carry no college transfer credit.
- 2. The transferring student is responsible for meeting the entrance requirements of the senior institution at the time of transfer. A student may earn more than 90 quarter hours of academic credit, but the total number of hours accepted for transfer is determined by the senior institution to which the student transfers.
- 3. The institution to which an official transcript of credits is sent may recompute the quality point ratio and/or the credits of the student in accordance with its own grading system and calendar. Most senior institutions require an overall grade point average of 2.000 or better for transfer.

College Transfe Program

The student at Isothermal Community College will have little difficulty in completing his transfer satisfactorily if he adheres to the following recommended procedures:

Transfer Procedures

- 1. Decide early which senior institution to attend. Allow sufficient time for the acknowledgement of admission data and the transit of permanent records.
- Obtain a current copy of the catalog of that college and study its entrance requirements and curriculum recommendations for freshman and sophomore level courses in the student's major field.
- Obtain a curriculum standing form in the Student Personnel Office. This will
 help to insure that the student is scheduling and completing prescribed
 courses required for graduation.
- 4. Confer with an assigned faculty advisor about transfer preparation.
- Contact the admissions officer at the senior institution periodically relative to admission status and additional information.
- Check carefully at least two quarters in advance of anticipated transfer to insure proper scheduling of classes and meeting necessary requirements.

In the first two years of college, students secure a general education in the areas of humanities, social studies, science, and mathematics; in addition, they begin specialized work in their own particular fields of interest. It is the aim of Isothermal Community College to provide quality instruction in these areas for transfer credit to senior institutions.

Isothermal Community College promotes a series of counselor-student conferences to help the student plan his program for transfer to the college or university of his choice.

Isothermal Community College offers the Associate of Arts Degree to the college parallel student.

Degree Offered

REQUIREMENTS FOR DEGREE. Associate in Arts candidates must complete the following courses or equivalents in addition to approved electives for a minimum of 96 hours with an overall grade point average of 2.0 ("C") or better:

Subject Area

Communications

(English 101, 102, 103 are required of all college parallel students.)
Humanities
Mathematics
Laboratory Science
Social Science
Physical Education
Education 101
Electives
Physical Education Exemption Requirements

1. Physician's Exemption

Twenty-five years or older

Note: R.O.T.C. and National Guard training do not count for physical education exemption.

Curriculum Description

College Parallel Programs

BUSINESS ADMINISTRATION. This program is designed for the student to transfer to a college offering a major in business administration with no loss of credit. Business majors should follow this program with some modifications depending upon their particular needs.

FRESHMAN YEAR		SOPHOMORE YEAR	
Fall Quarter	Credit	Fall Quarter	Credit
Course Title	Hours	Course Title	Hours
English 101 History 101 Math 101 Biology (or) Chemistry 101 Sociology 201 Phy. Ed. Educational Orientation	3 4 3	English 201 Economics 201 History 251 Business 201 Phy. Ed. Elective	3 3 3
		Winter Quarter	
Winter Quarter English 102	3 3 4 3	English 202	3 3 1
Saning Over to		Spring Quarter	
Spring Quarter English 103 History 103 Math 103 Biology (or) Chemistry 103 Sociology 203 Phy. Ed.	3 4 3	English 203	331

SUGGESTED ELECTIVES: Mathematics, Speech, Psychology, Health, Political Science

EDUCATION. This program is designed to meet the general educational requirements of the college as well as provide sufficient electives to explore various fields of interest.

FRESHMAN YEAR

SOPHOMORE YEAR

Fall Quarter	Credit	Fall Quarter	Credit
Course Title	Hours	Course Title	Hours
English 101	33 mistry 10141	English 201 Sociology 201 Am. Hist. 251 Phy. Ed Phy. Sci 101 Elective	
Winter Overter		Willter Quarter	
English 102		English 202 Sociology 202 Am. Hist. 252 Phy. Ed Phy. Sci. 102 Elective	
NAME OF A PART OF AN ADDRESS OF THE SAME O		Spring Quarter	
English 103		English 203 Sociology 203 Am. Hist. 253 Phy. Ed	

SUGGESTED ELECTIVES: Economics, Geography, Speech, Mathematics, Health, Foreign Language

LIBERAL ARTS. The liberal arts program is designed to serve a variety of needs. The person who intends to pursue a baccalaureate major in such areas as chemistry, physics, mathematics, sociology, history, music, philosophy, or psychology may complete his first two years of work at Isothermal Community College.

FRESHMAN YEAR		SOPHOMORE YEAR	
Fall Quarter	Credit	Fall Quarter	Credit
Course Title	Hours	Course Title	Hours
English 101			
Winter Quarter English 102	3 try 1024	Winter Quarter English 202 Am. Hist. 252 Foreign Language . Phy. Ed	
Math 102		Phy. Sci. 102 Elective	
English 103	cry 103 4	English 203 Am. Hist. 253 Foreign Language Phy. Ed	3 3 1

SUGGESTED ELECTIVES: Speech, Psychology, Music, Art, Mathematics, Health

ENGINEERING, MATHEMATICS OR SCIENCE. The following, subject to modification, is generally what most engineering and science majors need for the first two years.

FRESHMAN YEAR		SOPHOMORE YEAR	
Fall Quarter		Fall Quarter	C 1:
Course Title	Credit Hours	Course Title	Credit Hours
VIV. 4 P. 14/2/2			-
Mathematics 111		Mathematics 211	
History 101		English 201	
English 101		Physics 201	
Chemistry 101 or Biology 10		Phy. Ed	
Phy. Ed.		Elective	
Educational Orientation			16
	17	w/ o	
		Winter Quarter	
Winter Quarter			-
2.322	2	Mathematics 212	
Mathematics 112		English 202	
History 102		Physics 202	
English 102		Phy. Ed	1
Chemistry 102 or Biology 10		Elective	<u> 3</u>
Phy. Ed	$\frac{1}{16}$		16
		Spring Quarter	
Spring Quarter			
		Mathematics 213	5
Mathematics 113	5	English 203	3
History 103	, .3	Physics 203	4
English 103		Phy. Ed	
Chemistry 103 or Biology 10		Elective	
Phy. Ed			16
*	16		

SUGGESTED ELECTIVES: Political Science, Speech, Math, Sociology, American History, Health, Physical Science, and Biology

TEXTILES. The wide range of career opportunities in textiles includes production supervision, designing and styling, sales and marketing, research and development, and management. The following curriculum is generally what textile majors need to satisfy freshman and sophomore year requirements.

SOPHOMORE VEAD

FRESHMAN YEAR

FRESHMAN YEAR		SOPHOMORE YEAR	
Fall Quarter	£	Fall Quarter	
SER LIBERS	Credit		Credit
Course Title	Hours	Course Title	Hours
Math 111 English 101 Chemistry 101 History 101 Phy. Ed. Educational Orientation	3 4 3 1	Math 211	
Winter Quarter		Winter Quarter	
Math 112	5	Math 212	5
English 102	3	Physics 202	
Chemistry 102	4	English 202	
History 102	3	Sociology 201	3
Pol. Sci. 101	3	Phy. Ed	1
Phy. Ed		Elective	3
	19	*	19
Spring Quarter		Spring Quarter	
Math 113	5	Math 213	5
English 103	3	Physics 203	
Chemistry 103	4	English 203	3
History 103	3	Phy. Ed.	1
Phy. Ed.	1	Elective	3
	16	errestaansen assestelijk het frikel	16

SUGGESTED ELECTIVES: Speech, Geography, American History, Political Science, and Sociology

Courses of Instruction

COURSE DESCRIPTIONS. The courses listed below represent the offerings within the college transfer division. Courses should be taken in numerical sequence with prerequisite courses taken as indicated.

Following the name of the course, appear two numbers (3-3) which should be interpreted as follows: The first number represents the number of hours in lecture or laboratory study; the second number equals the number of credits assigned to the course.

Courses in the guided studies program are described in areas where development work is offered. When test results indicate weaknesses in a subject area, students will be assigned to noncredit study courses. When weaknesses are overcome, curriculum students will be scheduled for college credit courses.

ART.

ART	201-Survey of Art
BIOL	OGY.
BIO 1	01-Principles of Biology
BIO 1	Principles of Biology
BIO 1	103Principles of Biology

organisms. Three lecture and three laboratory hours per week. Prerequisite: BIO 101, 102.

BIO 201General Zoology (Invertebrates)
BIO 202-General Zoology (Vertebrates)
BIO 203-Plant Identification
BUSINESS.
BUS 101Introduction to Business
BUS 102-Beginning Typewriting
BUS 103Intermediate Typewriting
BUS 104Advanced Typewriting
BUS 106Shorthand

8	BUS 107-Intermediate Shorthand
	BUS 108Intermediate Shorthand
	BUS 201Principles of Accounting I
В	Partnership and corporation accounting including a study of payrolls and federal and state taxes with emphasis on the recording, summarizing and interpreting of data for management control rather than on bookkeeping details. Accounting services are shown as they contribute to the recognition and solution of management problems. Prerequisite: BUS 201.
В	Partnership and corporation accounting including a study of payrolls and federal and state taxes with emphasis on the recording, summarizing and interpreting of data for management control rather than on bookkeeping details. Accounting services are shown as they contribute to the recognition and solution of management problems. Prerequisite: BUS 201 and BUS 202.
В	Emphasis is placed on the development of individual production rates. From the knowledge the student has previously acquired in typewriting, he learns to set up problems using his own judgment. He learns the techniques needed in planning and typing special reports for executives, applying for a job, duplicating process, manuscripts, and legal papers.
C	HEMISTRY.
Cl	HM 101-General Chemistry

An intensive treatment of basic principles with emphasis upon atomic and molecular the Special attention is given to quantitative topics. Laboratory work devoted to experim which reinforce the theoretical concepts. Prerequisite: CHM 101.	eory
CHM 103-General Chemistry	stry
DRAMA.	
DRA 201Literature for the Theatre	3-3
ECONOMICS.	
An introduction to economic principles, problems, and policies. The nature of econo concepts, the principles and problems involved in national incomes, employment and principles aggregate demand, business cycles, monetary and fiscal policies.	mi
ECO 202-Economic Principles II A continuation of Economics 201 with emphasis on the market and price system and allocation of resources.	
ECO 203-Economic Principles III	the
ECO 208-Consumer Economics	

EDUCATION.

EDU	101Educational Orientation
ENG	LISH.
ENG	90-Fundamentals of Grammar
ENG	95-Reading Proficiency
ENG	101Freshman Composition I
ENG	102Freshman Composition II
	103Freshman Composition III
ENG	201English Literature I

	A survey of English literature of nineteenth and twentieth centuries with special attention to development of literary types. Term paper. Prerequisite: Successful completion of freshman English courses.
	ENG 203Major American Writers
	FRENCH.
	FRE 101, 102, 103-Elementary French
	FRE 201, 202, 203-Intermediate French
(GEOGRAPHY.
•	GEOG 101Physical Geography
(GOEG 102World Regions
(GEOG 103-Economic Geography

GEOLOGY.
GEOL 101-Physical Geology
GEOL 102Physical Geology
GEOL 103-Historical Geology
HEALTH.
HEA 101-Personal Health
HEA 102Community Health
HISTORY.
HIS 101, 102, 103World Civilization
HIS 251, 252, 253History of the United States

MATHEMATICS.

An into	relopmental Mathematics
A serie Topics unified	2, 103Foundation of Mathematics
A uni	12Integrated College Algebra and Trigonometry (each) 5—fied treatment of algebra and trigonometry to provide a thorough preparation for a cours lytic geometry and the calculus. Prerequisite: MAT 103.
An in applic curves param geome	11, 212, 213Analytic Geometry and the Calculus (each) 5-tegrated course in the fundamentals of analytic geometry and the calculus includin ation of derivatives, differentials, indefinite integrals, definite integrals, equations of and conic sections, differentiations of transcendental functions, polar coordinates etric equations, theory and applications of integrations, infinite series, solid analyticity, partial derivatives, multiple integrals and an introduction to differential equations quisite: MAT 112
A stud	elementary Statistics
A sem	inear Algebra

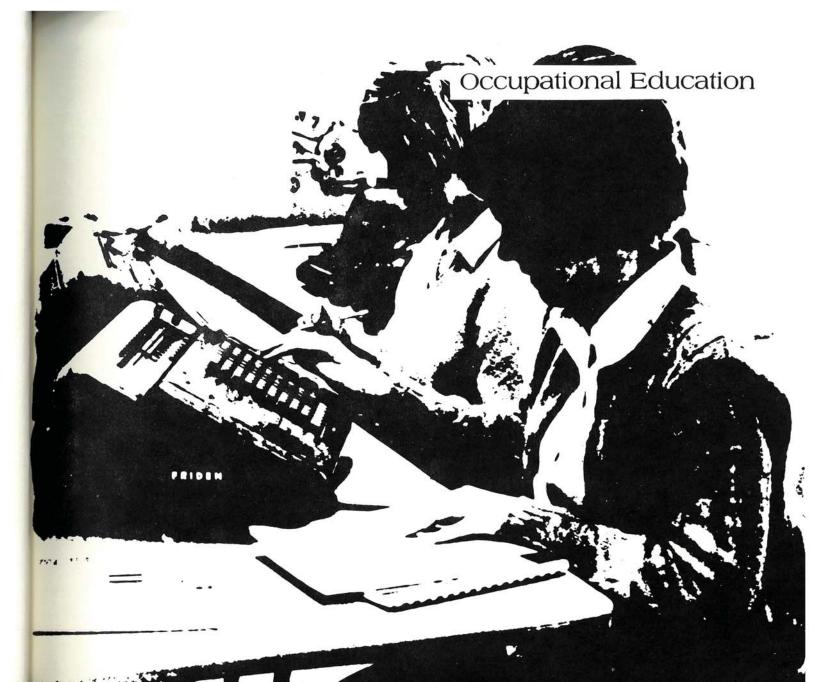
MUSIC.

MUS 110, 111, 112-Chorus
MUS 210-Chorus
MUS 251-Music Appreciation
PHYSICAL EDUCATION.
P E 101Conditioning .2-1 P E 102Golf .2-1 P E 103Archery .2-1
P E 104Tumbling .2-1 P E 105Badminton .2-1 P E 107Volleyball .2-1
P E 205Basketball 2-1 P E 207Softball 2-1 P E 208Tennis 2-1
P E 209Te uch Football
P E 211Square Dancing 2-1 P E 212Social Dancing 2 1 P E 213Field Hockey 2 1
P E 214Bowling 2–1 P E 215Wrestling 2–1 P E 216Soccer 2–1

PHYSICS.

PHY 201-General Physics I
PHY 202-General Physics II
PHY 203-General Physics III
POLITICAL SCIENCE.
POL 201American National Government
POL 202Problems and Policies of American Government
POL 203American State and Local Government
PHYSICAL SCIENCE
SCI 90Developmental Science

PHY	SCI 101, 102, 103Man and His Physical Environment (each) 6-4 An integrated prespective of the physical sciences, study of selected topics such as systems of measurement, the expanding universe, structure of the earth, kinetic molecular theory of matter, energy (types, transformation, utilization), properties of elements and compounds structure and utilization of atoms. The role of science in the development of civilization is emphasized. These courses must be taken in sequence.
SOCI	AL SCIENCE.
	SCI 90Developmental Social Studies
SOCIO	OLOGY.
	201Introduction to Sociology
	202–Social Problems
:	203Sociology of the Family
SPANI	ISH.
1	01, 102, 103Elementary Spanish
I r	01, 202, 203Intermediate Spanish



Occupational Education has become an important part of our program, serving both business and industry. Skilled employees are able to secure higher salaries and more desirable working conditions.

Occupational Education at Isothermal Community College has been carefully planned to train individuals to qualify for the more skilled jobs in both technical and vocational work. Our planning of these programs has been centered around the needs of our community and its people. Our chief objective is to prepare any person who wishes to develop business and industrial competencies for skilled employment.

The courses in occupational education are not designed for transfer to other institutions. These courses are structured for the placement of competent, efficient, productive and well-adjusted individuals on better paying jobs that are not only remunerative, but also self-satisfying and worthwhile.

Technical Division

Courses offered in the technical division are designed to meet the increasing demand in industry for high level industrial skills. The technician is a person whose chief interests and activities lie in the direction of testing, developing, and applying the operation of engineering and scientific processes. The student will be exposed to such activities as drafting and design, installation and operation of equipment, estimating, and sales. The technical curriculum requires two years for completion. The curriculum is similar to professional engineering but briefer and more technical in content.

Students choosing to enter a technical program must meet educational and aptitude requirements applicable to the individual course of their choosing. Students must have a well-rounded educational background in mathematics and science and possess maturity with a general aptitude for this advanced type of training.

Isothermal Community College endeavors to meet the needs of the people in the area by offering a two-year technical curriculum geared to train a person in specific technical areas.

The student is eligible for an Associate in Applied Science Degree pending completion of one of the following two-year programs:

Agri-Business Technology Business Administration Electronics Technology Executive Secretary General Office Technology

Degree Offered

REQUIREMENTS FOR DEGREE. All students, regardless of program, must complete the following requirements for graduation with the Associate of Applied Science Degree.

- A minimum of 108 quarter hours credit.
- A minimum of 18 quarter hours in the areas of English, social science, and humanities, and not less than three (3) quarter hours in each field.
- 3. A student may be exempt from one area upon the approval of the Director of Occupational Education. (In such a case, the total number of hours would not be reduced but concentrated in the remaining two areas.)

Technical Programs

AGRICULTURE—BUSINESS TECHNOLOGY. This course is designed specifically for the student who seeks opportunity in agricultural related business or industry.

Today's farmer is a producer of tremendous amounts of food and fiber, in a process which requires equally tremendous quantities of basic raw materials and services.

The agriculture-business graduate will be qualified to enter the field of farm supplies, agriculture finance and insurance, distribution and processing, or agriculture communications.

The agriculture-business curriculum incorporates those courses pertaining to both business management and agriculture, to allow the graduate to compete in these specialized areas of service.

AGRICULTURE-BUSINESS TECHNOLOGY.

			Quarter Hours
Course Title	Class	Lab.	Credit
FIRST QUARTER			
T-ENG 101 Grammar	3	0	3
T-MAT 110 Business Math	5	0	5
EDU 101 Orientation	1	0	1
T-BUS 101 Introduction to Business	3	0	3
T-AGR 125 Animal Science	<u>5</u> 17	2/2	$\frac{6}{18}$
SECOND QUARTER			
T-ENG 102 Composition	3	0	3
T-BUS 120 Accounting	5	2	6
T-CHM 101 Chemistry	4	2	5
T-BUS 123 Business Finance	$\frac{3}{15}$	0 4	$\frac{3}{17}$

3	0	3
		3
		6
3		3
		3
16	4	<u>3</u> 18
3	0	3
3	0	3
3	0	3
5	2	6
3	0	3
17	2	18
5	3	6
5	2	6
3	2	4
_ 3_		3_
16	7	19
3	2	4
		6
	0	3
	2259	
4	4	6
	3 3 5 3 17	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

BUSINESS ADMINISTRATION. In North Carolina the opportunities in business are increasing. With the increasing population and industrial development in this state, business has become more competitive and automated. Better opportunities in business will be filled by students with specialized education beyond the high school level. The business administration curriculum is designed to prepare the student for employment in one of many occupations common to business. Training is aimed at preparing the student in many phases of administrative work that might be encountered in the average business.

The specific objectives of the business administration curriculum are to develop: (1) Understanding of the principles of organization and management in business operations; (2) Understanding our economy

through study and analysis of the role of production and marketing; (3) Knowledge in specific elements of accounting, finance, and business law; (4) Understanding and skill in effective communication for business operations in a rapidly expanding economy.

The graduate of the business administration curriculum may enter a variety of career opportunities from beginning sales person or office clerk to management trainee. The duties and responsibilities of this graduate vary in different firms. These duties might include: making up and filing reports, tabulating and posting data in various books, sending out bills, checking calculation, adjusting complaints, operating various office machines, and assisting managers in supervision. Positions are available in businesses such as advertising; banking; credit, finance, retailing, wholesaling; hotel, tourist, and travel industry; insurance; transportation; manufacturing; and communications.

BUSINESS ADMINISTRATION.

	Hours Per Week		Quarter
Course Title FIRST QUARTER	Class	Lab.	Hours Credit
T-ENG 101 Grammar	3	0	3
T-MAT 110 Business Mathematics	3	2	4
T-BUS 101 Introduction to Business	3	0	3
T-ECO 102 Economics		0	3
T-BUS 102 Typewriting or Elective	3 2	3	3
EDU 101 Educational Orientation			1
EDO 101 Educational Orientation	$\frac{1}{15}$	0 5	$ \begin{array}{c} 3\\3\\3\\\underline{1}\\17 \end{array} $
SECOND QUARTER			
T-ENG 102 Composition	3	0	3
T-BUS 120 Accounting	5	2	6
T-BUS 115 Business Law	3	0	3
T-ECO 104 Economics	3	0	$ \begin{array}{c} 3\\3\\3\\\hline 18 \end{array} $
T-BUS 123 Business Finance	3	0	3
	$\frac{3}{3}$	2	18
THE PARTY OF THE P			
THIRD QUARTER	2	0	3
T-ENG 103 Report Writing	3	2	
T-BUS 121 Accounting	5	2	6
T-BUS 116 Business Law	3	0	3
T-BUS 110 Office Machines	2	2	3
T-BUS 124 Business Finance	$\frac{3}{16}$	0	3 3 3 18
	16	4	18

FOURTH QUARTER			
T-ENG 204 Oral Communication	3	0	3
T-BUS 232 Sales Development	3	0	3
T-BUS 239 Marketing	5	0	5
T-BUS 229 Taxes	3	2	4
Elective	3	0	3
	17	$\frac{1}{2}$	$\frac{3}{18}$
FIFTH QUARTER			
T-ENG 206 Business Communication	3	0	3
T-BUS 243 Advertising	3	2	4
T-BUS 235 Business Management	3	0	3
T-PSY 206 Applied Psychology	3	0	3
Elective	5	0	5
	17	2	18
SIXTH QUARTER			
T-EDP 104 Intro. to Data Processing	3	2	4
T-BUS 271 Office Management	3	0	3
T-BUS 272 Principles of Supervision	3	0	3
Elective	9	0	9
	18	2	19

ELECTRONICS TECHNOLOGY. The field of electronics has developed at a tremendously rapid pace, especially since 1940. For many years the major concern of electronics was in the area of communications. Developments during and following World War II have revolutionized production techniques. Completely new industries have been established to supplement the need and demand for electronics equipment. This rapid growth of the electronics industry has been accompanied by an equally phenomenal growth in the demand for qualified technicians — both men and women.

This program provides a basic background in electronics theory and practical applications for business and industry. The electronics technology curriculum is designed to give the student a thorough introduction to the basic theory and application of electronic fundamentals, along with a solid foundation of mathematics and physics. The graduate of this curriculum is qualified to enter any of the many branches of our modern and ever-expanding world of electronics. Skilled electronic technicians are in great demand in our giant aerospace, communications, and computer industries. There is also a growing demand for skilled personnel in the medical and service fields. A career in electronics technology easily leads into supervisory and management positions in industry. There is no foreseeable decrease in the demand or growing opportunity for the skilled technician in electronics.

Upon completion of this program, students will find employment opportunities in such fields as radio and television production, radar, sonar, telemetering, and other forms of communication such as telephone; industrial and medical measuring, recording, indicating, and controlling devices; navigational equipment; missile and spacecraft guidance; electronic computers; and other types of equipment using vacuum tubes, transistors, and semiconductor circuits.

ELECTRONICS.

	Hours Per Week		Quarter Hours
Course Title	Class	Lab.	Credit
FIRST QUARTER T-ENG 101 Grammar T-DFT 101 Drafting	3	0 6 3	3 2
T-ELEC 100 Intro. to Electricity EDU 101 Educational Orientation Elective or Developmental Studies	$ \begin{array}{c} 0 \\ 3 \\ 1 \\ 3 \\ \hline 10 \end{array} $	3 0 0	3 2 4 1 3 13
SECOND QUARTER T-ENG 102 Composition T-MAT 101 Math T-DFT 112 Drafting T-ELC 101 DC Circuit Analysis T-MAT 100 Slide Rule Elective	$ \begin{array}{r} 3 \\ 5 \\ 2 \\ 5 \\ 0 \\ \hline 3 \\ \hline 18 \end{array} $	0 0 3 3 2 0 8	3 5 3 6 1 3 21
THIRD QUARTER T-ENG 103 Report Writing T-MAT 102 Math T-ELC 102 AC Circuit Analysis T-ELN 105 Control Devices	3 5 5 5 18	0 0 3 3 6	3 5 6 6 20
FOURTH QUARTER T-END 204 Oral Communication T-MAT 103 Technical Mathematics PHY 201 Physics T-ELN 101 Electronic Instruments &	3 5 3 1	0 0 3 3	3 5 4 2
Measurements T-ELN 205 Electronic Circuits	$\frac{5}{17}$	3 9	6 20

FIFTH QUARTER			
T-MAT 201 Technical Mathematics	5	0	5
PHY 202 Physics	3	3	4
T-ELN 210 Transistor Circuit Analysis	5	3	6
T-ELN 214 Wave Shaping & Pulse Circuits	2	3	3
Elective	3	0	3
	18	9	21
SIXTH QUARTER			
PHY 203 Physics	3	3	4
T-ELN 220 Électronic Systems	5	4	7
T-ELN 215 Wave Shaping & Pulse Circuits	2	3	3
Elective	3	0	3
	13	10	17

SECRETARIAL SCIENCE--EXECUTIVE. Almost 11 million people were employed in clerical or some closely related type of work in 1965. More than two million of these were employed in occupations requiring stenographic skills. In fact, more individuals are employed in the clerical fields than in any other category.

A rapid increase in employment in this decade is anticipated. Openings may total more than 200,000 annually. Local employment opportunities parallel national trends.

In today's increasingly complex society, everyone needs an understanding of the business world. The successful business enterprise can no longer operate with only a few typists and bookkeepers. The private secretary must supplement her typing and shorthand with many new skills and abilities to meet demands of her position today.

The executive secretary curriculum is designed to develop the necessary secretarial skills in typing dictation, transcription, operation of office machines, and terminology for employment in the business world. The special training in secretarial subjects is supplemented by related courses in mathematics, accounting, business law, and personality development.

The graduate of the executive secretary curriculum may be employed as a stenographer or a secretary as well as in a variety of other clerical occupations. Stenographers are primarily responsible for taking dictation and transcribing letters, memoranda, or reports. The secretary, in addition to taking dictation and transcribing, is given more responsibility in connection with meeting office callers, screening telephone calls, handling numerous routine duties, private and confidential records, and a variety of business details on her own initiative. Positions are available in a variety of businesses such as insurance companies, banks, marketing institutions, financial firms, as well as all types of manufacturing firms.

SECRETARIAL SCIENCE--EXECUTIVE.

SECRETARIAL SCIENCEEXECUTIVE.	Hour	rs Per Week	Quarter
Course Title	Class	Lab.	Hours Credit
FIRST QUARTER T-ENG 101 Grammar T-MAT 110 Business Mathematics T-BUS 101 Introduction to Business T-BUS 102 Typewriting or Elective T-BUS 106 Shorthand or Elective EDU 101 Educational Orientation	3 3 3 2 3 1 15	0 2 0 3 2 0 7	3 4 3 3 3 1 18
SECOND QUARTER T-ENG 102 Composition T-BUS 103 Typewriting or Elective T-BUS 107 Shorthand T-BUS 115 Business Law T-BUS 183 Terminology and Vocabulary	3 2 3 3 3 14	0 3 2 0 0 5	3 4 3 3 16
THIRD QUARTER T-ENG 103 Report Writing T-BUS 104 Typewriting T-BUS 108 Shorthand T-BUS 112 Filing T-BUS 110 Office Machines T-PSY 112 Personality Development	3 2 3 3 2 3 16	0 3 2 0 2 0 7	3 4 3 3 3 19
FOURTH QUARTER T-BUS 119 Accounting T-ENG 204 Oral Communications T-BUS 205 Advanced Typewriting T-BUS 206 Dictation & Transcription T-BUS 211 Office Machines Elective	3 3 2 3 2 3 16	1 0 3 2 2 2 0	3 3 4 3 3 19
FIFTH QUARTER T-ENG 206 Business Communication T-BUS 207 Dictation & Transcription T-BUS 214 Secretarial Procedures T-PSY 206 Applied Psychology Elective	3 3 3 3 6 18	0 2 2 2 0 0	3 4 4 3 6 20

SIXTH QUARTER			
T-BUS 208 Dictation & Transcription	3	2	4
T-BUS 271 Office Management	3	0	3
Elective	9	0	9
E.	15	2	16

GENERAL OFFICE TECHNOLOGY. More people are now employed in clerical occupations than in any other single job category. Automation and increased production will mean that these people will need more technical skills and a greater adaptability for diversified types of jobs.

The general office curriculum is designed to develop the necessary variety of skills for employment in the business world. Specialized training in skill areas is supplemented by related courses in mathematics, accounting, business law, and applied psychology.

The graduate of the general office curriculum may be employed as an administrative assistant, accounting clerk, assistant office manager, bookkeeper, file clerk, machine transcriptionist, or a variety of other clerical related jobs. Positions are available in almost every type of business, large or small.

GENERAL OFFICE TECHNOLOGY.

	Hours Per Week		Quarter	
Course Title FIRST QUARTER	Class	Lab.	Hours Credit	
T-ENG 101 Grammar	3	0	3	
T-BUS 102 Typewriting or Elective	2	3	3	
T-MAT 110 Business Mathematics	3	2	4	
T-BUS 101 Introduction to Business	3	. 0	3	
T-ECO 102 Economics or Elective	3	0	3	
EDU 101 Educational Orientation	1	0	1	
	15	5	17	
SECOND QUARTER				
T-ENG 102 Composition	3	0	3	
T-BUS 103 Typewriting	2	3	3	
T-BUS 115 Business Law	3	0	3	
T-BUS 183 Terminology & Vocabulary	3	0	3	
Elective	6	0	6	
	17	3	18	

THIRD QUARTER T-ENG 103 Report Writing T-BUS 104 Typewriting T-BUS 112 Filing T-BUS 110 Office Machines T-BUS 116 Business Law T-PSY 112 Personality Development	3 2 3 2 3 3 3 16	0 3 0 2 0 0	3 3 3 3 3 3 18
FOURTH QUARTER T-ENG 204 Oral Communication T-BUS 205 Advanced Typewriting T-BUS 211 Office Machines T-BUS 229 Taxes T-BUS 199 Accounting T-BUS 232 Sales Development	3 2 2 3 3 3 3	0 3 2 2 1 0 8	3 3 4 3 3 19
FIFTH QUARTER T-ENG 206 Business Communication T-BUS 212 Machine Transcription-Business T-BUS 214 Secretarial Procedures T-PSY 206 Applied Psychology Electives	$ \begin{array}{c} 3 \\ 1 \\ 3 \\ \hline 3 \\ \hline 6 \\ \hline 16 \end{array} $	0 2 2 0 0 4	3 2 4 3 <u>6</u> 18
SIXTH QUARTER T-BUS 271 Office Management T-EDP 104 Introduction to Data Processing Electives	$ \begin{array}{c} 3\\3\\\frac{11}{17} \end{array} $	0 2 0 -2	$\frac{3}{4}$ $\frac{11}{18}$

Courses of Instruction

COURSE DESCRIPTIONS. The courses listed in this section represent the offerings within the technical division. Courses should be taken in numerical sequence with prerequisite courses taken as prescribed.

Courses in the guided studies program are described in areas where developmental work is offered. When tested results indicate weaknesses in a subject area, students will be assigned to a noncredit course. When weaknesses are overcome, curriculum students will be scheduled for college credit courses.

T-BUS 104--Introduction to Agriculture Economics

AGRICULTURE-BUSINESS TECHNOLOGY.

An introduction to economics, the functions of the economic system, and agriculture's role the economy. A review of the functions of the manager, and an introduction to the principl he uses in making decisions to adjust to changing conditions. Analysis of the main sources change which affect agricultural firms.
T-AGR 125Animal Science
T-AGR 170Plant Science
T-AGR 204Farm Business Management

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T-AGR 205-Agriculture Marketing
T-AGR 218-Agriculture Mechanization
T-AGR 288Livestock Diseases & Parasites
T-AGR 236Agriculture Soil Science & Fertilization
BUSINESS.
T-BUS 101Introduction to Business
T-BUS 102-Typewriting
T-BUS 103-Typewriting

correspondence, and business forms. Prerequisite: T-BUS 102 or the equivalent. Speed requirements 30 words per minute for five minutes.
T-BUS 104Typewriting Emphasis on production typing problems and speed building. Attention to the development of the student's ability to function as an expert typist, producing mailable copies. The production units are tabulation, manuscript, correspondence, and business forms. Prerequisite: T-BUS 103 or the equivalent. Speed requirement, 40 words per minute for five minutes.
T-BUS 106-Shorthand
T-BUS 107Shorthand
T-BUS 108Shorthand
T-BUS 110-Office Machines
T-BUS 112Filing
T-BUS 115Business Law A general course designed to acquaint the student with certain fundamentals and principles o business law, including contracts, negotiable instruments, and agencies.
T-BUS 116Business Law Includes the study of laws pertaining to bailments, sales, riskbearing, partnership-corporation mortgages, and property rights.

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T-BUS 117-Business Law A study of the powers, policies, methods, and procedures used by the various Federal, state a local administrative agencies in promoting and regulating business enterprises. It includes consideration of the constitutional and statutory limitations on these bodies and judicial rev of administrative action. Prerequisite: T-BUS 116.	and es a
T-BUS 120Accounting	of and
T-BUS 121Accounting	xes. ient
T-BUS 123Business Finance	
T-BUS 183Terminology and Vocabulary	3 e of
T-BUS 199Accounting	of
T-BUS 205Advanced Typewriting	the ork s of

T-B	US 206Dictation and Transcription
	Develops the skill of taking dictation and of transcribing at the typewriter materials appropriate to the course of study, which includes a review of the theory and the dictation of familiar and unfamiliar material at varying rates of speed. Minimum dictation rate of 100 words per minute required for five minutes on new material. Prerequisite: T-BUS 108.
T-B	US 207-Dictation and Transcription
T-BI	JS 208-Dictation and Transcription
Г-В	JS 211Office Machines
Г-В	JS 212Machines Transcription
г-вч	US 214-Secretarial Procedures
г-ви	During the sixth quarter only, students are assigned to work in a business, technical, or professional office for six hours per week. The objective is to provide actual work experience for secretarial students and an opportunity for the practical application of the skills and knowledge previously learned, according to the course of study. Prerequisites: T-BUS 214, T-BUS 204, T-BUS 211, T-BUS 208.

T-BUS 219Credit Procedures and Problems
T-BUS 229Taxes
T-BUS 232Sales Development
T-BUS 233Personnel Management
T-BUS 235Business Management
T-BUS 237Wholesaling
T-BUS 239-Marketing
T-BUS 243Advertising

T-BUS 245Retailing	tai
T-BUS 247-Business Insurance	. 3:he
T-BUS 255Interpreting Accounting Records	rts
T-BUS 266-Budget and Record Keeping	ial v.
T-BUS 271Office Management	ce
T-BUS 272Principles of Supervision	to
CHEMISTRY.1	
T-CHM 101Chemistry	s, s,

chemistry, electrolytes, and electrolysis in their application of chemistry to industry. Prerequisite: T-MAT 110.
DATA PROCESSING.
T-EDP 104Introduction to Data Processing Systems
DRAFTING.
T-DFT 101Technical Drafting
T-DFT 102Electronic Drafting
ECONOMICS.
T-ECO 102Economics
T-ECO 104Economics

pricing of national output, distribution of income, international trade and finance, and current

economic problems. Prerequisite: T-ECO 102.

T-ECO 108Consumer Economics
of life. It gives the student an opportunity to build useful skills in buying, managing his finances, increasing his resources, and to understand better the economy in which he lives.
ELECTRICITY.
T-ELEC 100Introduction of Electricity
T-ELC 101D. C. Circuit Analysis
T-ELEC 102A. C. Circuit Analysis
ELECTRONICS.
T-ELN 101Electronic Instruments and Measurements
A study in depth of the electrical characteristics of vacuum tubes and transistory. Basic parameters and applications of each type device to the three configurations of a three terminal two port system will be included. Prerequisite: T-ELEC 102.
T-ELN 205Application of Vacuum Tubes and Transistors

	detectors, modulators, and oscillators. Prerequisite: T-ELN 105.
T-I	ELN 210-Semiconductor Circuit Analysis
T-l	ELN 214Wave Shaping and Pulse Circuits
T-]	ELN 215Wave Shaping and Pulse Circuits
T-)	ELN 220Electronic Systems
T-	ELN 225Transmission and Propagation
T-	ELN 227UHF and Microwave Systems

T-ELN 230Television Systems
A study of the principles of television including the television system, camera tubes, scanning and synchronization, composite video signal, receiver circuits, transmitting equipment, color television, and closedloop systems. Corequisite: T-ELN 214.
T-ELN 235-Industrial Instrumentation
T-ELN 240Digital Computers
An exploration into the methodology of counting and computing. Various computer techniques will be investigated including: non-sinusoidal waveforms, binary and decade counters, industrial counters, readout devices, logic circuits, arithmetic circuits, storage devices, input-output devices, computer control, analog and digital converters. Prerequisite: T-ELN 214.
T-ELN 245Electronic Design Project
ENGLISH.
T-ENG 101Grammar
T-ENG 102-Compsition

T-EN	G 103Report Writing
T-EN	A study of basic concepts and principles of oral communications to enable the students to communicate. Emphasis is placed on the speaker's attitude, improving diction, voice, and the application of particular techniques of theory to correct speaking habits and to produce effective oral presentation. Particular attention is given to conducting meetings, conferences and interviews.
T-EN	Develops skills in techniques in writing business communications. Emphasis is placed on writing action-getting sales letters and prospectuses. Business reports, summaries of business conferences, letters involving credit, collection, adjustments, complaints, orders, acknowledgements, remittances, and inquiry. Prerequisite: T-ENG 102.
МАТ	THEMATICS.
T-M	AT 100-Slide Rule
T-M	math placement test. AT 101-Technical Mathematics
T-M	AT 102-Technical Mathematics

T-MA	T 103Technical Mathematics
T-MA	T 110-Business Mathematics
T-MA	T 201Technical Mathematics
	T 208-Calculus and Laplace Transforms for Electronics
MECH	HANICS.
	C 110Fundamental Mechanisms
PHYS	SICS.
T-PH	Y 101-Physics: Properties of Matter

T-PHY 102-Physics: Work, Energy, Power
T-PHY 104-Physics: Light and Sound
POLITICAL SCIENCE.
T-POL 201United States Government
PSYCHOLOGY.
T-PSY 112Personality Development
T-PSY 206Applied Psychology
SOCIAL SCIENCE.
T-SSC 201Social Science

T-SSC 202Social Science	
T-SSC 205-American Institutions	

Vocational Division

In an ever changing world of engineering and technologies, one must not lose sight of the growing need for skilled craftsmen. Isothermal Community College offers a series of training courses in the trade division with emphasis on manipulative and mental skills applicable to a particular course for which a student is enrolled. Trade courses require from one quarter to one full year on a full-time basis.

Diploma and Certificate Offered A diploma is awarded at the completion of one of the following programs:

Automotive Body Repair Automotive Power Mechanics Electrical Installation

Masonry Mechanical Drafting Welding

A certificate is awarded at the completion of the following program:

Nurse's Assistant

Vocational Programs

AUTOMOTIVE BODY REPAIR.

Purpose of Curriculum

This curriculum provides a training program for developing the basic knowledge and skills needed to inspect, estimate, repair and paint automobile bodies. Manual skills are developed in practical shop work. The study of automobile bodies, the stresses of metal and the composition of paint constitute the curriculum.

Complexity in automobile vehicles increases each year because of scientific discovery and new engineering. The changes are reflected not only in passenger vehicles, but also in trucks, buses, and a variety of motor vehicles. This curriculum provides a basis for the student to compare and adapt to new techniques and new tools for repairing motor vehicle bodies as changes are made from year to year.

The Automotive Body Repair curriculum is a one-year program.

	at (2)	e em com		Quarter
		Hours per	Week	Hours
	Course Title	Class	Lab.	Credit
FIRST QUARTER				
AUT 1111	Auto Body Repair	5	12	9
MAT 1101	Fundamentals of Mathematics .	5	0	5
PHY 1101	Applied Science	3	2	4
WLD 1101	Basic Gas Welding	0	3	1
		13	17	19
SECOND QUARTER				
AUT 1112	Auto Body Repair	5	17	10
WELD 1105	Auto Body Welding		3	1
ENG 1101	Reading Improvement		0	2
ENG 1102	Communications Skills	3	0	3
		10	20	16
THIRD QUARTER				
AUT 1113	Metal Finishing and Painting	3	13	7
PSY 1101	Human Relations	3	0	3
AUT 1115	Trim, Glass & Radiator Repair .	2	$\frac{9}{22}$	$\frac{5}{15}$

FOURTH QUARTER

AUT 114	Body Shop Applications	3	24	10
BUS 1103	Small Business Operations	3	0	3
	1	6	24	13

AUTOMOTIVE POWER MECHANICS.

Purpose of Curriculum

This curriculum provides a training program for developing the basic knowledge and skills needed to inspect, diagnose, repair or adjust automotive vehicles. Manual skills are developed in practical shop work. Thorough understanding of the operating principles involved in the modern automobile comes in class assignments, discussion, and shop practice.

Complexity in automotive vehicles increases each year because of scientific discovery and new engineering. These changes are reflected not only in passenger vehicles, but also in trucks, buses, and a variety of gasoline-powered equipment. The one-year curriculum (four consecutive quarters) provides a basis for the student to compare and adapt to new techniques for servicing and repair as vehicles are changed year by year.

Job Description

Automobile mechanics maintain and repair mechanical, electrical, and body parts of passenger cars, trucks, and buses. In some communities and rural areas they also may service tractors or marine engines and other gasoline-powered equipment. Mechanics inspect and test to determine the causes of faulty operation. They repair or replace defective parts to restore the vehicles or machine to proper operating condition. They use shop manuals and other technical publications.

Automotive mechanics in smaller shops usually are general mechanics qualified to perform a variety of repair jobs. A large number of automobile mechanics specialize in particular types of repair work. For example, some may specialize in repairing only power steering and power brakes, or automatic transmissions. Usually such specialists have an all-round knowledge of automotive repair and may occasionally be called upon to do other types of work.

FIRST QUARTER PME 1101 MAT 1101 PHY 1101	Course Title Internal Combusion Engines Fundamentals of Mathematics Applied Science	5	Week Lab. 15 0 2 17	Quarter Hours Credit 8 5 4 17
SECOND QUARTER				
PME 1102	Engine Electrical and Fuel Systems	10	15	19
ENG 1102	Communication Skills	3	0	3
ENG 1101	Reading Improvement	$\frac{2}{15}$	$\frac{0}{15}$	$\frac{3}{\frac{2}{19}}$
THIRD QUARTER				
AUT 1123	Automotive Chassis and Suspension	s Systems 3	10	6
AUT 1121	Braking Systems		3	4
PSY 1101	Human Relations		0	4 3 3 <u>1</u>
AHR 1101	Automotive Air Conditioning	2	3	3
WLD 1101	Basic Gas Welding	$\cdots \frac{0}{11}$	0 3 $\frac{3}{19}$	$\frac{1}{17}$
FOURTH QUARTER				
AUT 1124	Automotive Power Train Systems .	3	9	6
AUT 1125	Automotive Servicing		12	6
BUS 1103	Small Business Operations		$\frac{0}{21}$	$\frac{3}{15}$

ELECTRICAL INSTALLATION AND MAINTENANCE.

Purpose of Curriculum.

The rapid expansion of the national economy and the increasing development of new electrical products are providing a growing need for qualified people to install and maintain electrical equipment. Today more than 350,000 are employed as either construction electricians or maintenance electricians. Between 5,000 and 10,000 additional tradesmen are required each year to replace those leaving the industry. The total requirements for electrical tradesmen are 500,000 and will be 700,000 by 1975. The majority of the electrical tradesmen today are trained through apprenticeship or on-the-job training programs.

The one-year curriculum (4 consecutive quarters) will provide a training program in the basic knowledge, fundamentals, and practices involved in the electrical trades. A large portion of the program is devoted to laboratory and shop instruction which is designed to give the student practical knowledge and experience.

Job Description and Requirements

The graduate of the electrical trades program will be qualified to enter an electrical trade as an on-the-job trainee or apprentice, where he will assist in the planning, layout, installation, check out, and maintenance of systems in residential, commercial, or industrial plants. He will have an understanding of the fundamentals of the National Electrical Code regulations as related to wiring installations, electrical circuits, and the measurements of voltage, current, power, and power factor of single and polyphase alternating circuits. He will have a basic knowledge of motor and motor control systems; industrial electronic control systems; business procedures, organizations, and practices; communicative skills; and the necessary background to be able to advance through experience and additional training.

FIRST QUARTER	Course Title	Hours per Class	Week Lab.	Quarter Hours Credit
ELC 1112	Direct and Alternating Current	. 10	10	9
MAT 1115	Electrical Math		0	5
PHY 1101	Applied Science		_2	_4_
		18	12	18
SECOND QUARTER				
ENG 1101	Reading Improvement	. 2	0	2
ELC 1113	Alternating Current and Direct			۵
	Current Machines and Controls	. 10	7	9
DFT 1110	Blueprint Reading: Building			
1.22.570 (exture) to respect	Trades		3	1
ENG 1102	Communication Skills		0	3
MAT 1116	Electrical Math	. 5	0	3 5
		20	10	20

THIRD QUARTER			20	
ELC 1124	Residential Wiring	5	9	8
	Industrial Electronics		5	5
ELN 1118		-	0	. 3
PSY 1101	Human Relations		2	1
DFT 1113	Blueprint Reading: Electrical	0	_ 3	
D111111		13	17	17
FOURTH QUARTER				
	Commercial and Industrial Wiring	5	12	9
ELC 1125			5	5
ELC 1119	Industrial Electronics		5	2
BUS 1103	Small Business Operations	3	0	3
200 1100	•	13	17	17

MASONRY.

Purpose of Curriculum

Masons are the craftsmen in the building trades that work with artificial stone, brick, concrete masonry units, stone and the like. As building construction continues to increase the demand for bricklayers, cement masons, and stonemasons will also increase.

The nine months curriculum (3 quarters) is designed to train the individual to enter the trade with the knowledge and basic skills that will enable him to perform effectively. He must know the methods used in laying out a masonry job with specific reference to rigid insulation, refractories, and masonry units specified for residential, commercial and industrial construction.

Most employment opportunities for masons are found with contractors in new building construction. However, a substantial proportion of masons are self-employed and work with contractors doing repair, alteration, or modernization work.

Job Description.

Most masosns lay brick, and blocks made of tile, concrete, glass, gypsum or terra cotta. Also, he constructs or repairs walls, partitions, arches, sewers, furnaces and other masonry structures.

After gaining experience in the various types of the masonry trade along with leadership training, it is possible for the tradesman to become a foreman, inspector and eventually a contractor.

Course Title		Hours per Class	Week Lab.	Quarter Hours Credit
FIRST QUARTER				
MAS 1101	Bricklaying	5	17	10
MAT 1101	Fundamentals Of Mathematics	5	0	5
DFT 1110	Blueprint Reading:			
	Building Trades	. 0	3	1
		10	20	16
SECOND QUARTER				
MAS 1102	Bricklaying	. 5	19	10
MAT 1112	Building Trades Mathematics	. 3	0	3
DFT 1111	Blueprint Reading & Sketching	. 0	3	1
	. 0	8	22	$\frac{1}{14}$
THIRD QUARTER				
MAS 1103	General Masonry	. 5	16	10
MAS 1113	Masonry Estimating		3	4
DFT 1112	Blueprint Reading & Sketching		3	1
		8	$\frac{3}{22}$	15
		1000		1.0

MECHANICAL DRAFTING.

Purpose of Curriculum

This curriculum is designed to prepare students to enter the field of drafting. The first three quarters of study include courses basic to all fields of drafting. The fourth quarter involves specialization and related courses that prepare one to enter any one of several drafting occupations.

Each course is prepared to enable an individual to advance rapidly in drafting proficiency upon entering the field of work. Courses are arranged in sequence to develop drafting skills and proficiency in mathematics and science. The draftsman associates with many levels of personnel and must be able to communicate effectively with them. Courses to develop knowledge and skills in communication, human relations, economics and industrial organization are provided to assist the student in developing understanding and confidence in his relations with other persons. The Mechanical Drafting curriculum is a one year program.

Job Description

Draftsmen prepare clear, complete, and accurate working plans and detail drawings from rough or detailed sketches or notes according to the specified dimensions. They make final sketches of the proposed

drawing, checking dimensions of parts, materials to be used, the realtion of the various parts to the whole structure. They make any adjustments or changes necessary or desired. Draftsmen ink in all lines and letters on pencil drawings as required. They exercise manual skill in the manipulation of the triangle, T-Square, and other drafting tools. They utilize their knowledge of various machines, engineering practices, mathematics, building materials, and other physical sciences to complete the drawings.

	Course Title	Hours per Class	Week Lab.	Quarter Hours Credit
FIRST QUARTER DFT 1121 MAT 1103 PHY 1101	Drafting	3	$ \begin{array}{c} 17 \\ 0 \\ \underline{2} \\ 19 \end{array} $	9 3 4 16
SECOND QUARTER DFT 1122 DFT 1125 MAT 1102 ENG 1101 ENG 1102	Drafting	2	10 3 0 0 0 13	7 3 5 2 3 20
THIRD QUARTER DFT 1131 MAT 1104 PSY 1101 MEC 1113 MEC 1115	Mechanical Drafting	3 2	$ \begin{array}{r} 11 \\ 0 \\ 0 \\ 3 \\ \hline 17 \end{array} $	7 3 3 3 3 19
FOURTH QUARTER DFT 1132 MEC 1114 MEC 1116 BUS 1105	Mechanical Drafting	2	14 3 3 0 20	7 3 3 3 16

WELDING.

Purpose of Curriculum

This curriculum was developed to fill the tremendous need for welders in North Carolina. The recently completed Manpower Survey shows clearly that many welders will be needed annually to fill present and projected vacancies in the state.

The content of this curriculum is designed to give students sound understanding of the principles, methods, techniques and skills essential for successful employment in the welding and metals industry.

Welding offers a person security and a future of continuous employment with steady advancement. It offers employment in practically any industry: shipbuilding, automotive, aircraft, guided missiles, railroads, construction, pipe fitting, production shop, job shop and many others. The Welding curriculum is a one-year program (4 quarters).

Job Description

Welders join metals by applying intense heat, and sometimes pressure, to melt the edges to form a permanent bond. Closely related to welding is "oxygen cutting." Of the more than 35 different ways of welding metals, arc, gas, and resistance welding are the three most important.

The principal duty of the welder using manual techniques is to control the melting by directing the heat from either an electric arc or gas welding torch, and to add filler metal where necessary to complete the joint. He should possess a great deal of manipulative skill with a knowledge of jigs, welding symbols, mathematics, basic metallurgy, and blueprint reading.

FIRST QUARTER	Course Title	Hours per Class	Week Lab.	Quarter Hours Credit
	O 1 . W 11'			
WLD 1120	Oxyacetylene Welding and Welding		12	9
MAT 1101	Fundamentals of Mathematics	5	0	5
DFT 1104	Blueprint Reading: Mechanical	3	1	
PHY 1101	Applied Science	3_	_2	4
		13	17	$\frac{4}{19}$

SECOND QUARTER				
WLD 1121	Arc Welding	5	14	8
MAT 1103	Geometry	3	0	3
DFT 1117	Blueprint Reading: Welding	0	3	1
ENG 1101	Reading Improvement	2	0	2
ENG 1102	Communication Skills	3	0	3
THIRD QUARTER		13	17	17
WLD 1124	Pipe Welding	3	13	7
WLD 1123	Inert Gas Welding	1	3	2
WLD 1112	Mechanical Testing and Inspection	1	3	2
DFT 1118	Pattern Development and Sketching	0	3	1
PSY 1101	Human Relations	3	0	3
FOURTH QUARTER		8	22	15
WLD 1122	Commercial and Industrial Practices	3	9	6
WLD 1125	Certification Practices	3	6	5
MEC 1112	Machine Shop Processes	0	6	2
BUS 1105	Industrial Organizations	3	0	3
		9	21	16

NURSES' ASSISTANT.

A three-months program (1 quarter) designed to prepare qualified men and women to give effective nursing care to selected patients, to make and report observations, and to carry out routine aspects of ward management. Classroom teaching is centered around modern concepts of health, functional relationships within a hospital, fundamentals of effective interpersonal relations, and nursing procedures related to daily needs of patients and to common therapeutic measures. Throughout the course emphasis is given to the role of nurses' assistant. Clinical experiences provide opportunities for applying classroom learnings to practice in the hospital setting.

	Hours per Class	Week Lab.	Quarter Hours Credit
Unit I	Introduction to Nurse Assistant 2	0	1
Unit II	Understanding Effects of Illness 1	0	1
Unit III	Making Observations of Patients 2	2	3
Unit IV	Safety Measures in Care of the Sick 2	1	2
Unit V	Measures to Promote the Patient's Comfort 2	2	3
Unit VI	Measures Related to Patient's Happiness 3	5	5
Unit VII	Becoming a Hospital Employee	5	5
	15	15	20

Courses of Instruction

AUTOMOTIVE.

	1101-Automotive Air Conditioning	the	Lab 2	Credi Hours 3
	1111Auto Body Repair	igh Iay	12	9
2 1 1	1112Auto Body Repair	ial 'he of	17	10
I c	Development of the skill to shrink stretched metal, soldering and leading, and preparation of the metal for painting. Straightening of doors, hoods, and deck lids; fitting a aligning. Painting fenders and panels, spot repairs, and complete vehicle painting; the transport and application of power tools. Prerequisites: AUT 1112, WLD 1105	on nd	13	7
s a a a	14-Body Shop Applications	on ob nt ge,	24	10

AUT	Methods of removing and installing interior trim; cutting, sewing and installing headlinings, seat covers, and door trim panels, cutting, fitting, and installation. The student gains a thorough knowledge of the engine cooling system and repairs and replaces damaged cooling system components. Tests are made to insure normal engine cooling operation. Prerequisites: AUT 112, WLD 1105	9	5
AUT	1121-Braking Systems	3	4
AUT	Principles and functions of the components of automotive chassis. Practical job instruction in adjusting and repairing of suspension, and steering systems. Units to be studied will be shock absorbers, springs, steering systems, steering linkage, and front end alignment. Prerequisite: PME 1102	10	6
AUT	Principles and functions of automotive power train systems: clutches, transmission gears, torque converters, drive shaft assemblies, rear axles and differentials. Identification of troubles, servicing, and repair. Prerequisites: PHY 1101, AUT 1123	9	6
AUT	Emphasis is on the shop procedures necessary in determining the nature of troubles developed in the various component systems of the automobile. Troubleshooting of automotive systems, providing a full range of experiences in testing, adjusting, repairing and replacing. Prerequisites: AUT 1123, AUT 1121, AHR 1101	12	6
	BUSINESS.		
BUS	An introduction to the business world, problems of small business operation, basic business law, business forms and records, financial problems, ordering and inventorying, layout of equipment and offices, methods of improving business, and employer-employee relations. Prerequisite: None	0	3

BUS 1105-Industrial Organizations	0	3
DRAFTING.		
DFT 11-4Blueprint Reading: Mechanical	3	1
DFT 1110Blueprint Reading: Building Trades	3	1
DFT 1111-Blueprint Reading & Sketching	3	1
DFT 1112-Blueprint Reading and Sketching	3	1
DFT 1113-Blueprint Reading: Electrical	3	1
DFT 1117-Blueprint Reading: Welding	3	1

DFT 1118-Pattern Development and Sketching	3	1
DFT 1121-Drafting	17	9
DFT 1122-Drafting	10	7
DFT 1125-Descriptive Geometry	3	3
DFT 1131-Mechanical Drafting	11	7

DFT 1132Mechanical Drafting	14	7
ELECTRICITY.		
ELC 1112-Directand Alternating Current	10	9
ELC 1113-Alternating Current and Direct Current Machines and Controls	7	9
ELC 1124-Residential Wiring	9	8
ELC 1125-Commercial and Industrial Wiring	12	9

ELECTRONICS.

	1118Industrial Electronics	5	5
	1119Industrial Electronics	5	5
	ENGLISH.		
	1101Reading Improvement	0	2
	1102Communication Skills	0	3
	MASONRY.		
Í	1101-Bricklaying	17	10
	Designed to give the student practice in selecting the proper mortars, layout, and construction of various building elements such as foundations, walls, chimneys, arches and cavity walls. The proper use of bonds, expansion strips, wall ties and caulking methods are stressed. Prerequisite: MAS 1101	19	10

MAS 1103-General Masonry	16	10
MAS 1113-Masonry Estimating	3	4
MATHEMATICS.		
MAT 1101-Fundamentals of Mathematics	0	5
MAT 1102-Algebra	0	5
MAT 1103Geometry	0	3
MAT 1104Trigonometry	0	3

MAT 1112-Building Trades Mathematics	0	3
MAT 1115-Electrical Math	0	5
MAT 116Electrical Math	0	5
MECHANICS.		
MEC 113Shop Processes	3	3
MEC 1114-Shop Processes	3	3
MEC 1115Treatment of Ferrous Metals	3	3

metals, producing iron and steel, theory of alloys, shaping and forming, heat treatments for steel, surface treatments, alloy of special steel, classification of steels, and cast iron will be topics for study. Prerequisite: None

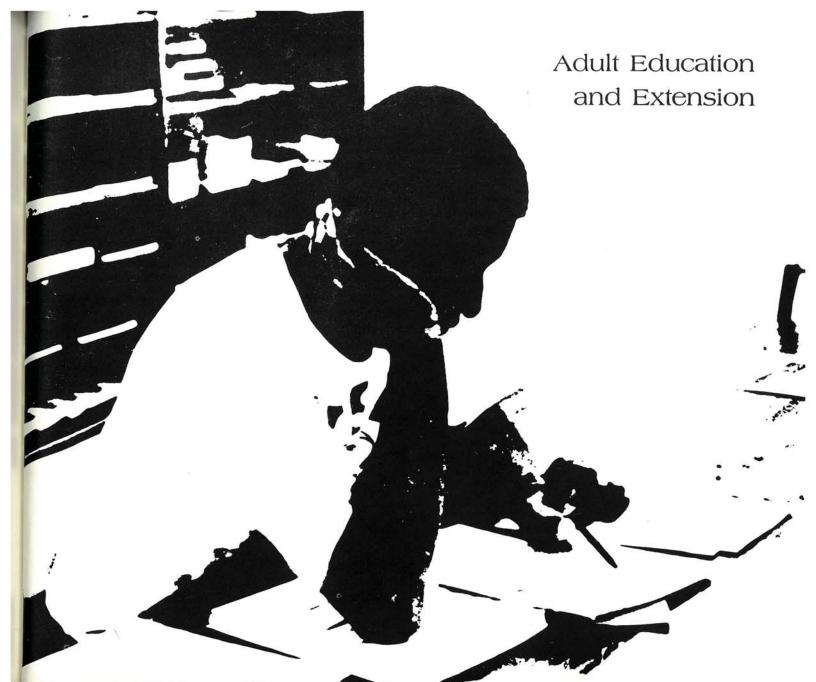
MEC 116Treatment of Non-Ferrous Metals	3	3
PHY 1101-Applied Science	2	4
PHY 1102Applied Science	2	4
POWER MECHANICS.		
PME 1101Internal Combustion Engine	15	8
PME 1102-Engine Electrical and Fuel Systems	15	14

PSYCHOLOGY.

PSY 1101Human Relations	0	
WELDING.		
WLD 1101-Basic Gas Welding	3	1
WLD 1105Auto Body Welding	3	1
WLD 1112Mechanical Testing and Inspection	3	2
WLD 1120-Oxacetylene Welding and Cutting	12	9
WLD 1121Arc Welding	14	8

the arc welding process. After the student is capable of running beads, butt and fillet welds in all positions are made and tested in order that the student may detect his weaknesses in welding. Safety procedures are emphasized through the course in the use of tools and equipment.

WLD 1122-Commercial and Industrial Practices	9	6
WLD 1123Inert Gas Welding	3	2
WLD 1124Pipe Welding	13	7
WLD 1125-Certification Practices	6	5



The purpose of the Adult Education Program at Isothermal Community College is to provide the opportunity for adults to enrich their lives by offering the facilities for continuing education. Therefore, the paramount objectives are: (1) to help the individual become more conscious of his role in the obligation to the community, (2) to better prepare him for his jobs in life, (3) to stimulate creativity, (4) to help the individual appreciate the creative efforts of others, and (5) to provide avenues for the enrichment of leisure time.

The Adult Program consists of the following types of courses with a partial listing of available courses under each area:

- ADULT BASIC EDUCATION -- a program designed to help individuals learn to read and write and to help early dropouts attain an eighth grade education.
- HIGH SCHOOL EQUIVALENCY PROGRAMS -- programs designed to enable adults to complete their high school education by:
 - a. preparing for the General Educational Development Test (GED) that leads to the North Carolina certificate. (See section on Learning Laboratory)
 - earning credits required for graduation by the Rutherford and Polk County Boards of Education, and the Tryon City School Board. (For further information see section on Learning Laboratory.)
- ARTS AND CRAFTS -- programs that give adults the opportunity to develop their creative talents.

IND 2100 Interior Decorating I, II HAT 2101 Hat Designing I, II RUG 2101 Rug Making * CAK 2105 Cake Decorating CER 2106 Ceramics OIL 2108 Oil Painting * SEW 2120 Home Sewing I, II, III* KNT 2123 Knitting I, II, III* MTH 2131 Modern Math for Parents SFT 2134 Safety ICT 2135 Income Tax ENL 2136 Enameling* CRT 2137 2137 Christmas Art CRE 2138 Crewel Embroidery * BST 2139 Brush Stroke Design * DPG 2140 Decoupage

General Adult Education

General Adult Education

FLO 2125 Floral Arts SKT 2126 Sketching SIL 2141 Silversmithing * PHF 2142 Physical Fitness

*Available in Tryon

 COMMUNITY SERVICE PROGRAMS -- consists of lectures, exhibits, shows and other cultural functions for community enrichment.

One of the most versatile of all the learning concepts utilized by the Community College System, the Learning Lab, is a study center designed to utilize programmed materials. There are no lectures, no scheduled classes. Each student is assigned to his subject area on the basis of his ability and uses materials provided in the Lab for individual instruction.

Learning Laboratory

Anyone with a reading level of 6th grade or above and with a desire to learn can attend. A student applies by coming to the Lab, filling out a brief application, and discussing his educational aims with the coordinator. Together the student and coordinator determine the goal of the student's studies: to proceed through elementary to high school level, to earn a high school diploma, to prepare for the GED Test, to develop salable skills, to overcome subject deficiencies revealed by college entrance exams, to improve one's store of information for self-development, to develop one's ability to function in modern society. The student is then assigned materials appropriate to his goals. He proceeds at his own speed, on a study schedule adapted to his family and job responsibilities. The student attends the Lab without cost. A partial list of programs with accompanying subjects follows:

- 1. High School Diploma Program
 - a. Requirements for entrance into the program.
 - 1) a minimum reading level of 8th grade,
 - 2) a resident of Polk or Rutherford County, and
 - 3) 21 years of age or obtain special permission if between the age of 18 21.

b.	Requirements	for	graduation
			0

1)	English	o.to		÷		2.	*	22		•		6	4	units
	Math													
3)	Social Studies .				٠			•		٠		*	2	units
4)	Science		e e e			-12	24						2	unite

- 2. North Carolina High School Equivalency Certificate.
 - Lab preparation for the GED Test.
 - Passing score on GED Test. (The Guidance Office administers the test b. by appointment only.)

Learning Laboratory

- Language Arts -- the language arts program consists of programmed texts 3. and reading laboratories that range from the basic levels to the 14th year level. A partial listing of available courses are:
 - Reading instruction (grades 6-14)
 - Improving Your Writing Ь.
 - The Dictionary c.
 - Spelling
 - English Syntax e.
 - f. English Grammar
 - English (2200, 2600, 3200)
- Mathematics -- all courses in the area of math are fully programmed for individual instruction. Courses available include:
 - Elementary Math a.
 - General Math Ь.
 - Algebra I c.
 - Algebra II d.
 - Plane Geometry e.
 - f. Solid Geometry
 - Plane Trigonometry g.
 - Analytic Trigonometry h.
 - i. Calculus
 - Modern Math j.
 - Modern Algebra

Foreign Languages -- these programs utilize the self-instructional potential of modern language-laboratory type tape recorders which embody the latest and most effective language learning principles. Courses available are:

- a. French
- b. German
- c. Spanish

Learning

Laboratory

- 6. Science -- the programmed textbooks in this area are designed for individual instruction in the mastery of the basic concepts of science and instruction in the more advanced courses of chemistry and physics. Some of the courses available are:
 - a. General Science
 - b. Biology
 - c. Chemistry
 - d. Physics
- Supplemental Business Courses -- the business courses, fully programmed and in many instances enriched with audio-visual supplements, are designed primarily for students who wish to improve their office skills for job advancement. However, the courses are basic enough for beginning students who wish to become proficient in any of the subjects listed below:
 - a. Letter Writing
 - b. Written Communications
 - c. Public Relations
 - d. Secretarial
 - e. Accounting

- f. Business Math
- g. Bookeeping
- n. Filing
- i. Stenoscript
- j. Gregg Shorthand
- k. Data Processing
 - 1. Payroll Processing
 - 2. Source Records
- 8. General Interest -- there are many courses available in this area for the student who wants to spend his leisure time studying subjects for pleasure or profit. A partial listing follows:

- a. Book of Romans
- b. Book of Ephesians
- c. Interior Decoration
- d. Contract Bridge for Beginners
- e. Introduction to the Game of Chess
- f. Improving Your Chess Skills
- g. Practical Mathematics
- h. The Arithmetic of Computers
- i. The Slide Rule
- j. The Log Log Scales

HOURS

The hours of the Lab are consistent with Library hours.

A branch Lab in Tryon offers many of the same -- and some additional courses and programs -- that are available in the Spindale Lab. Any adult may attend either the Tryon Learning Center (telephone 859-6744) or the Spindale Lab (telephone 631-3639).

The purpose of the Extension Program is to provide additional training in job improvement for the people in the area. Training of any type, which will improve individual job proficiency, may be offered when sufficient interest is shown.

The following is a list of some of the different courses offered in the Extension Program:

AHR 3454 Air Conditioning

AHR 3455 Refrigeration

AUT 3456 Automotive Tune-Up

AUT 3457 Automotive Transmission

AUT 3458 Alternators

AUT 3459 Generators and Starters

AUT 3460 Automotive Brakes

AUT 3462 Powder Puff Mechanics

CAB 3468 Cabinet Making

Learning Laboratory

Extension

CAR 3469 Carpentry

CHM 3470 Breathalyzer

GIV 3473 Estimating Construction Costs

CIV 3474 Plane Surveying

DFT 3479 Blueprint Reading

DFT 3480 Drafting

Extension

ELC 3484 Basic Electricity

ELC 3485 National Electrical Code

ELN 3488 Basic Electronics

POL 3565 Police Training

HOS 3529 Hospitality

MAS 3531 Masonry

NUR 3536 Personal Care & Family Aide

NUR 3537 Infant & Child Care

PME 3545 Power Mechanics

TEX 3553 Loom Fixing

TEX 3554 Industrial Power Sewing

TEX 3555 Textile Designing

UPH 3561 Upholstering

WLD 3563 Welding - Creative

WLD 3564 Welding (Electric, Gas)

STN 3571 Stenoscript

TYP 3570 Typing I, II

TRS 3572 Transcription (Dictaphone)

BUS 3573 Business Communication Skills

BUS 3574 Business Machines

Supervisory Development Training:

SDT 3401 Principles of Supervision

SDT 3402 Human Relations I

SDT 3403 Human Relations II

SDT 3404 Art of Motivating People

SDT 3405 Economics in Business and Industry

SDT 3406 Effective Communications & Listening

SDT 3407 Effective Writing

SDT 3408 Effective Speaking

SDT 3409 Reading Improvement

SDT 3410 Work Measurement

SDT 3411 Job Methods

SDT 3412 Conference Leadership

SDT 3413 Instructor Training

SDT 3414 Creative Thinking

SDT 3415 Industrial Safety & Accident Prevention

SDT 3416 Industrial First Aide

SDT 3417 The Supervisor in North Carolina

SDT 3418 The Supervisor & Employee Benefits

SDT 3419 Job Analysis Training

SDT 3420 Cost Accounting

SDT 3421 Supervision in Hospitals

SDT 3422 Management

Firemanship Training:

FIP 3501 Introduction of Firefighting

FIP 3502 Forcible Entry

FIP 3503 Rope Practices

FIP 3504 Portable Fire Extinguishers

FIP 3505 Ladder Practices

FIP 3506 Hose Practices

FIP 3507 Salvage and Overhaul Practices

FIP 3508 Fire Stream Practices

FIP 3509 Fire Apparatus Practices

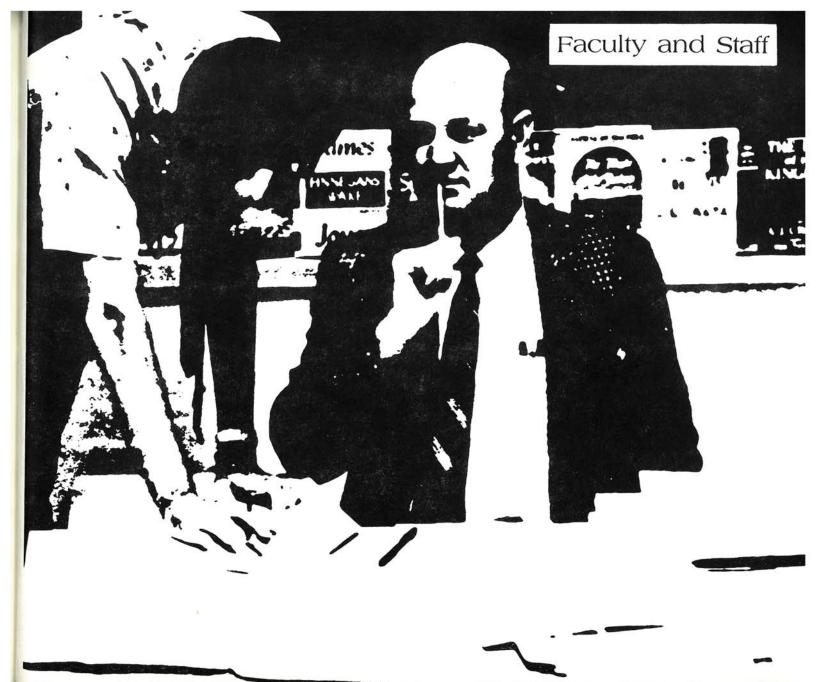
FIP 3510 Ventilation

FIP 3511 Rescue Practices

FIP 3512 Protective Breathing Equipment

FIP 3513 Firefighting Procedures

^{*}Contact the Extension Department for a brochure containing complete course listing and description of courses.



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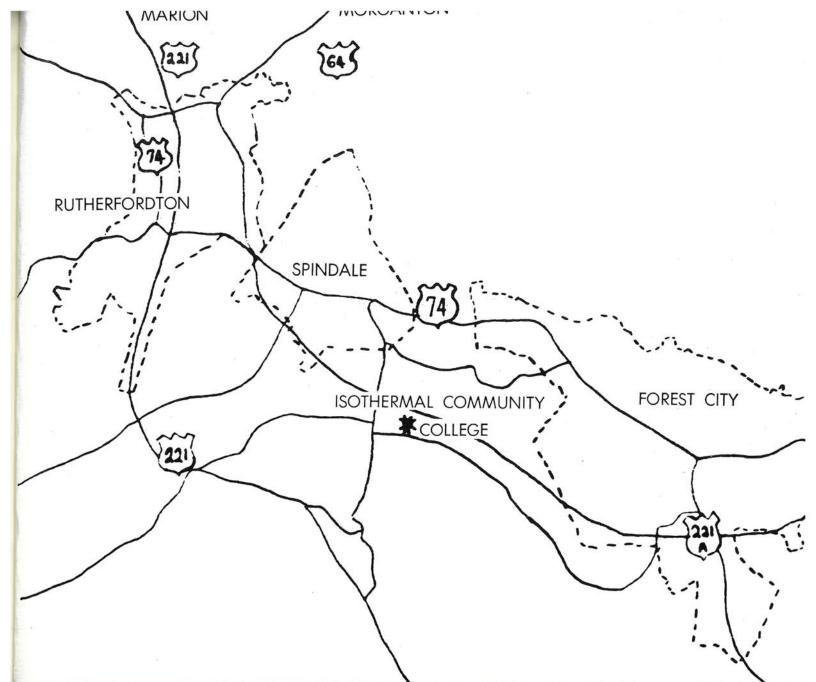
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