STATE COLLEGE RECORD

Gaston Technical Institute

1025 West Franklin Avenue

Gastonia, North Carolina

A Division of North Carolina State College

1960-1961

The School of Engineering

Raleigh, North Carolina

CATALOG and BULLETIN

Vol. 59 April, 1960 No. 8

GASTON TECHNICAL INSTITUTE

1025 W. Franklin Avenue
Gastonia, N. C.

PERSONAL INFORMATION

(Please Print)

Name ..... (Last Name) (First) (Middle Name)

Address ..... Tel. No. .....

Sex ..... Race ..... Church Affiliation .....

Date of Birth ..... Place of Birth .....

Course You Wish to Take ..... Beginning Date .....

Father's Name ..... Occupation .....

Address .....

Mother's Name ..... Occupation .....

Address .....

Are you Married? ..... If "Yes" ..... (Wife's Maiden Name) (Home Town)

Are you presently enrolled in college? (write "yes" or "no") .....

Have you ever been enrolled in college? (write "yes" or "no") .....

Give name of each college attended if any .....

.....

(Any failure to furnish full information will debar a student from college)

Experience:

Industrial .....

.....

.....

Other .....

.....

Plans for Future .....

Remarks .....

Do you desire assistance is securing living accommodation? .....

Signed .....

Note: Procedure in applying for admission

The applicant, if distance is not too great, should make a personal application.

The personal information called for on the application blank should be completed by the student. This form should then be given to the high school principal, along with a stamped envelope addressed to the Gaston Technical Institute, 1025 W. Franklin Avenue, Gastonia, N. C. and *five dollars ($5.00), check or money order, to be submitted with the completed high school transcript. $10.00

* The $5.00 application fee may be paid separately but action on application will not be taken until this deposit is received.

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'ERSITY 4-4365

HISTORY United States							Physics							TOTAL						
							AGRICULTURE													
CIVICS																				
SOCIOLOGY																				
ECONOMICS																				

Scholastic Rank

Considering "Rank 1" as highest this student ranks..........in a senior class of......... members.
(Give approximate ranking if actual is not known)

PASSING GRADE IS..................;
GRADE FOR RECOMMENDATION TO COLLEGE

This certifies that .... has attended .... High School from ...., 19...., to .... 19....; that he has completed the work shown on this certificate; and that he was graduated ...., 19..... This school is accredited by ....

I recommend him in moral character for admission to Gaston Technical Institute

Place Small Head and Shoulder Photograph Here

Location of High School.

Post Office .... Signed ....

County .... Official Position ....

State .... Date ...., 19

(Do Not Fill In Below This Line)

Admission Approved ....

Curriculum ....

....

PERSONAL INFORMATION

Gastonia, N. C.

1025 W. Franklin Avenue

GASTON TECHNICAL INSTITUTE

Gaston Technical Institute

Gastonia, North Carolina

A Division of North Carolina State College

The School of Engineering

Raleigh, North Carolina

Catalog and Bulletin

1960-1961

Operated by

COLLEGE EXTENSION DIVISION
NORTH CAROLINA STATE COLLEGE

- address -

GASTON TECHNICAL INSTITUTE
1025 WEST FRANKLIN AVENUE
GASTONIA, NORTH CAROLINA

POST OFFICE BOX 1399 **TELEPHONE UNIVERSITY 4-4365**

Tables of Contents

OFFICERS OF ADMINISTRATION

W. C. Friday, B.S., North Carolina State College; L.L.B., University of North Carolina; President, Consolidated University of North Carolina

John T. Caldwell, B.S., Mississippi State College; M.A., Duke University; M.A., Columbia University; Ph. D., Princeton University; Chancellor, North Carolina State College

J. H. Lampe, B.S., M.S., Dr. Eng., Johns Hopkins University; Dean of School of Engineering, North Carolina State College

R. G. Carson, Jr., B.S., Clemson College; M.S., Georgia Institute of Technology; Ph.D., University of Michigan; Director of Instruction, School of Engineering, North Carolina State College

J. G. Vann, Business Manager, North Carolina State College

E. W. Ruggles, B.S., M.S., North Carolina State College; Director, College Extension Division, North Carolina State College

ADMINISTRATION

William R. Halstead, B.E.E., Georgia Tech; P.E. (Georgia); Director, Gaston Technical Institute

Paul V. Smith, A.B., Lenoir-Rhyne College; M.Ed., University of North Carolina; Assistant to the Director and Registrar

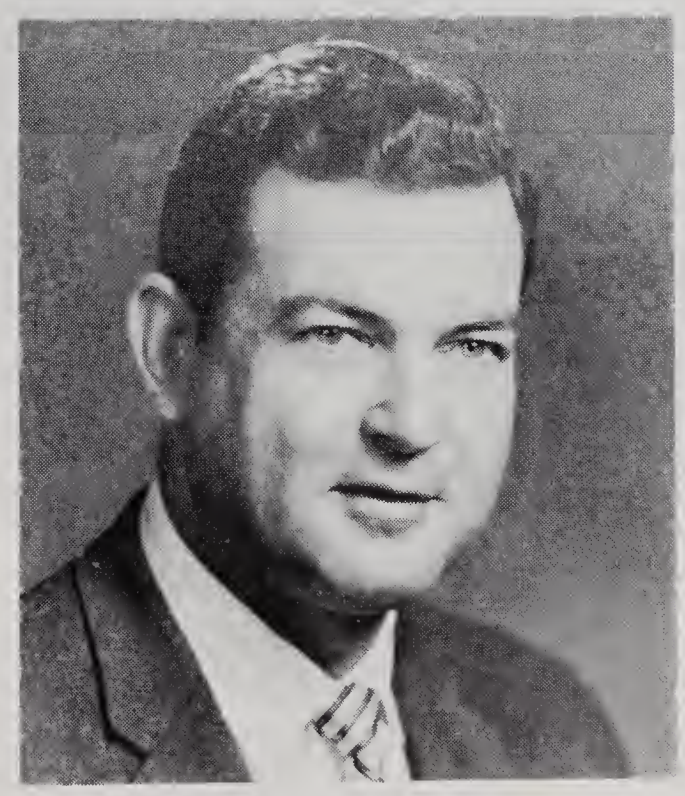
Mary E. McQuere, Administrative Assistant

Viola S. Brown, Office Assistant

Thomas Blaine Carpenter, Dining Room Supervisor

Edward A. Jackson, Maintenance Supervisor

E. W. Ruggles, Director
College Extension Division
North Carolina State College



W. R. Halstead, Director
Gaston Technical Institute

CITIZENS ADVISORY BOARD

C. C. Dawson ..... Cramerton, N. C.
Executive Secretary, Combed Yarn Spinners Association, Gastonia, N. C.

Alexander W. Bell ..... Mount Holly, N. C.
Executive Vice-President, American-Efird Mills, Inc., Mount Holly, N. C.

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J. A. Hendley ..... Stanley, N. C.
General Manager, Talon, Inc., Stanley, N. C.

J. R. Hudson ..... Lowell, N. C.
Insurance, Lowell, N. C.

Howard K. Houser ..... Cherryville, N. C.
Secretary-Treasurer-General Manager, Rhyne-Houser Manufacturing Co., Inc., Cherryville, N. C.

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Superintendent, Gaston County Schools, Gastonia, N. C.

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Vice-President, Textiles, Inc., Gastonia, N. C.

Harold Mercer ..... Gastonia, N. C.
Vice-President, General Manager, Firestone Textiles, Gastonia, N. C.

Caldwell Ragan ..... Gastonia, N. C.
Executive Vice-President, Treasurer, and General Manager, Trenton Mills, Gastonia, N. C.

Coit M. Robinson ..... Lowell, N. C.
President, United Spinners Corp., Lowell, N. C.

Sam M. Stewart ..... Gastonia, N. C.
President, Moore & Stewart, Inc., Gastonia, N. C.

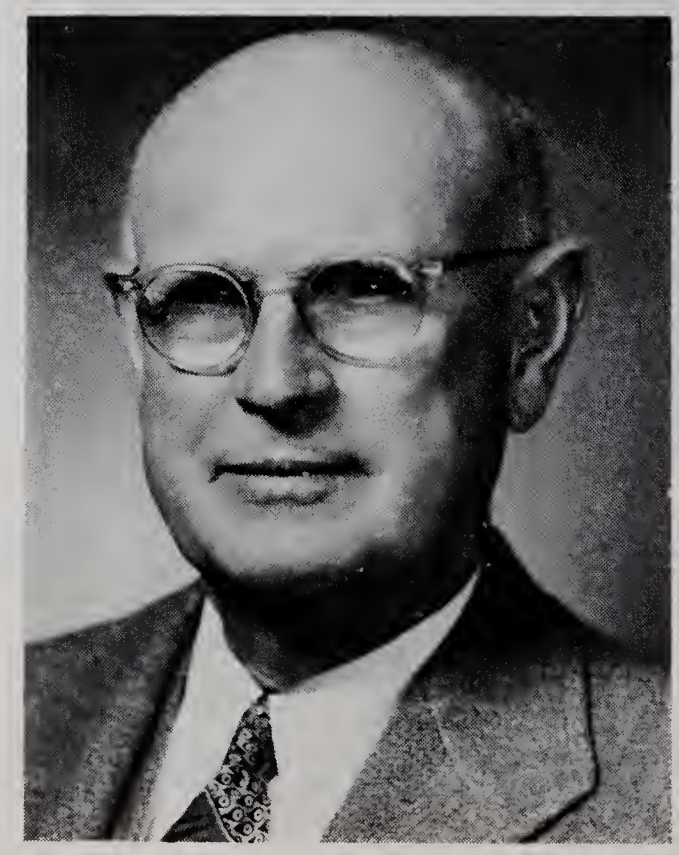
Woodrow Sugg ..... Gastonia, N. C.
Superintendent, Gastonia City Schools, Gastonia, N. C.

A. K. Winget, Jr. ..... Gastonia, N. C.
Vice-President, Citizens National Bank, Gastonia, N. C.

Frank A. Young ..... Gastonia, N. C.
President, F. A. Young Machine Co., Gastonia, N. C.

Charles B. Zeigler ..... Gastonia, N. C.
Chairman of the Board, Public Service Company of N. C., Gastonia, N. C.

Claude C. Dawson
Chairman
Citizens Advisory Board



FACULTY

George H. Benoliken, Jr., A.B., Elon College; Mathematics

Frederick L. Broadhurst, B.S., North Carolina State College; M.A., East Carolina College; Drawing

Henry C. Cline, B.S., Appalachian State Teachers College; Physics

Frank M. Crow, Jr., B.S.E.E., Louisiana State University; Electrical Technology

Raymond A. Fuhrer, B.S.E.E., University of Pittsburgh; Electrical Technology

G. Allen Fuller, Jr., B.E.E., North Carolina State College; Electronics Technology

A. Clay Groves, Electronics Technology

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E. M. McArver, B.S., Madison College; English-Librarian

Robert M. Michael, B.M.E., North Carolina State College; Mechanical and Production Technology

S. D. Morgan, B.S., North Carolina State College; General Shop

Clyde H. Robinson, B.G.E., North Carolina State College; P.E. (North Carolina); Civil Technology

Mary Clare Sanders, A.B., Woman's College; English

John David Vance, B.C.E., North Carolina State College; Civil Technology

COLLEGE CALENDAR—1960-1961

First Summer Session, 1960

June 9	Thursday	Registration
June 10	Friday	Class assignments. Orientation and testing for new students. Late registration fee of $5 payable by all who register after June 10.
June 13	Monday	First day of classes.
June 17	Friday	Last day for registration and last day for refund less $5 registration fee.
June 22	Wednesday	Last day to drop a course without failure and last day to withdraw without failure.
July 4	Monday	Holiday.
July 20	Wednesday	Last day of classes.
July 21	Thursday	Final examinations.

Second Summer Session, 1960

July 21	Thursday	Registration.
July 22	Friday	Class assignments. Orientation and testing for new students. Late registration fee of $5 payable by all who register after July 22.
July 25	Monday	First day of classes.
July 29	Friday	Last day for registration and last day for refund less $5 registration fee.
August 3	Wednesday	Last day to drop a course without failure and last day to withdraw without failure.
August 24	Wednesday	Last day of classes.
August 25	Thursday	Final examinations.

Fall Semester, 1960

September 12	Monday	New student orientation, testing, and payment of fees.
September 13	Tuesday	New student orientation and testing.
September 14	Wednesday	New student registration and scheduling.
September 15	Thursday	Registration for returning (old) students. Late registration fee of $5 payable by all who register after September 15.
September 16	Friday	Class assignments.
September 19	Monday	First day of classes.
September 23	Friday	Last day for registration and last day for refund less $10 registration fee.
September 30	Friday	Last day to add a course.
October 7	Friday	Last day to drop a course without failure.
November 11	Friday	End of deficiency report period.

November 23	Wednesday	Thanksgiving holiday begins at 12:00 noon.
November 28	Monday	Classwork resumes at 8:00 a.m.
November 29	Tuesday	Last day to withdraw from school without failure.
December 16	Friday	Christmas holidays begin at 5:00 p.m.
January 3	Tuesday	Classwork resumes at 8:00 a.m.
January 20	Friday	Last day of classes.
January 23-25	Mon.-Wed.	Final examinations.

Spring Semester, 1961

February 1	Wednesday	New student registration, orientation, and testing.
February 2	Thursday	Registration for returning (old) students. New student orientation and testing. Late registration fee of $5 payable by all who register after February 2.
February 3	Friday	Class assignments.
February 6	Monday	First day of classes.
February 10	Friday	Last day for registration and last day for refund less $10 registration fee.
February 17	Friday	Last day to add a course.
February 24	Friday	Last day to drop a course without failure.
March 24	Friday	End of deficiency report period.
March 29	Wednesday	Easter holidays begin at 5:00 p.m.
April 6	Thursday	Classwork resumes at 8:00 a.m.
April 7	Friday	Last day to withdraw from school without failure.
May 26	Friday	Last day of classes.
May 28	Sunday	Baccalaureate Service at 3:00 p.m.
May 29-31	Mon.-Wed.	Final examinations.
June 1	Thursday	Commencement Exercises at 11:00 a.m.

Dates for 1961 Summer School Sessions will be announced later.

1960

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1961

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JUNE

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Administration Building

GENERAL INFORMATION

Foreword

The Gaston Technical Institute was established in 1952. The industrial and business men of Gaston County donated $50,000 toward the purchase of a suitable location. The money was used to buy the Todd residence at 510 West Airline Avenue, Gastonia, and to construct a laboratory building on the rear of the lot.

A deed dated October 2, 1956, was presented by Mr. Harold Mercer, Vice-President and General Manager of Firestone Textiles, to Mr. C. C. Dawson, Chairman of the local Citizens Advisory Board of the Gaston Technical Institute. The deed conveyed three large brick buildings to the Consolidated University of North Carolina. These buildings at 1025 West Franklin Avenue, which have been completely renovated, now make up the home of the new Gaston Technical Institute. The new facilities were formally dedicated in ceremonies on November 7, 1958.

Beginning with the 1957-58 academic year, the Gaston Technical Institute became a fully state-supported, non-profit, co-educational institution, offering two-year terminal courses of study in four fields of technology: Civil, Electrical, Electronics, and Mechanical and Production Technology.

The graduate is awarded an Associate in Applied Science Degree.

The Institute is operated by The College Extension Division of North Carolina State College of Agriculture and Engineering of the University of North Carolina. The academic program and the staff appointments are under the control and supervision of The School of Engineering of North Carolina State College.

Purpose

The purpose of the Gaston Technical Institute is to provide a college atmosphere for the education of engineering technicians through specially designed post-high school technical programs. The education and training received will enable the graduate to take his place on the technical manpower team between the engineer on one hand and the skilled craftsman on the other.

Buildings and Facilities

The three buildings, consisting of the East Wing, the Administration Building, and the West Wing, provide a working area of over 42,000 square feet. The new library and reading rooms are being located upstairs in the West Wing. The placement library and placement interview rooms are located upstairs in the East Wing. The auditorium, dining room, and bookstore are located in the Administration Building.

Modern laboratory facilities are provided for drawing, physics, general shop, electrical circuits and machines, electronics, communications, welding, and materials testing.

The new Gastonia Young Men's Christian Association (picture on Page 34) is located only four blocks away. The YMCA does not provide dormitory facilities. A small 30-student dormitory is located directly across the street from the Institute.

The Engineering Technician

American industry has made technical progress and has reached its high level of production more through engineering teamwork than through individual effort. We think of the engineering team as a three-part team:

Engineers and scientists who formulate ideas and create new products and services,

Engineering technicians who help develop, test, and apply these ideas and creations,

Skilled workers who make the products and perform the routine services.

The engineering technician is the liaison between the engineer or scientist and the skilled worker. He translates creative ideas into new machines, products, structures, or processes. In his role as connecting link, he has some knowledge of the work of both the engineer and the skilled worker. He is familiar with the hand and machine tools of the latter, and he understands the basic scientific principles that are the tools of the engineer.

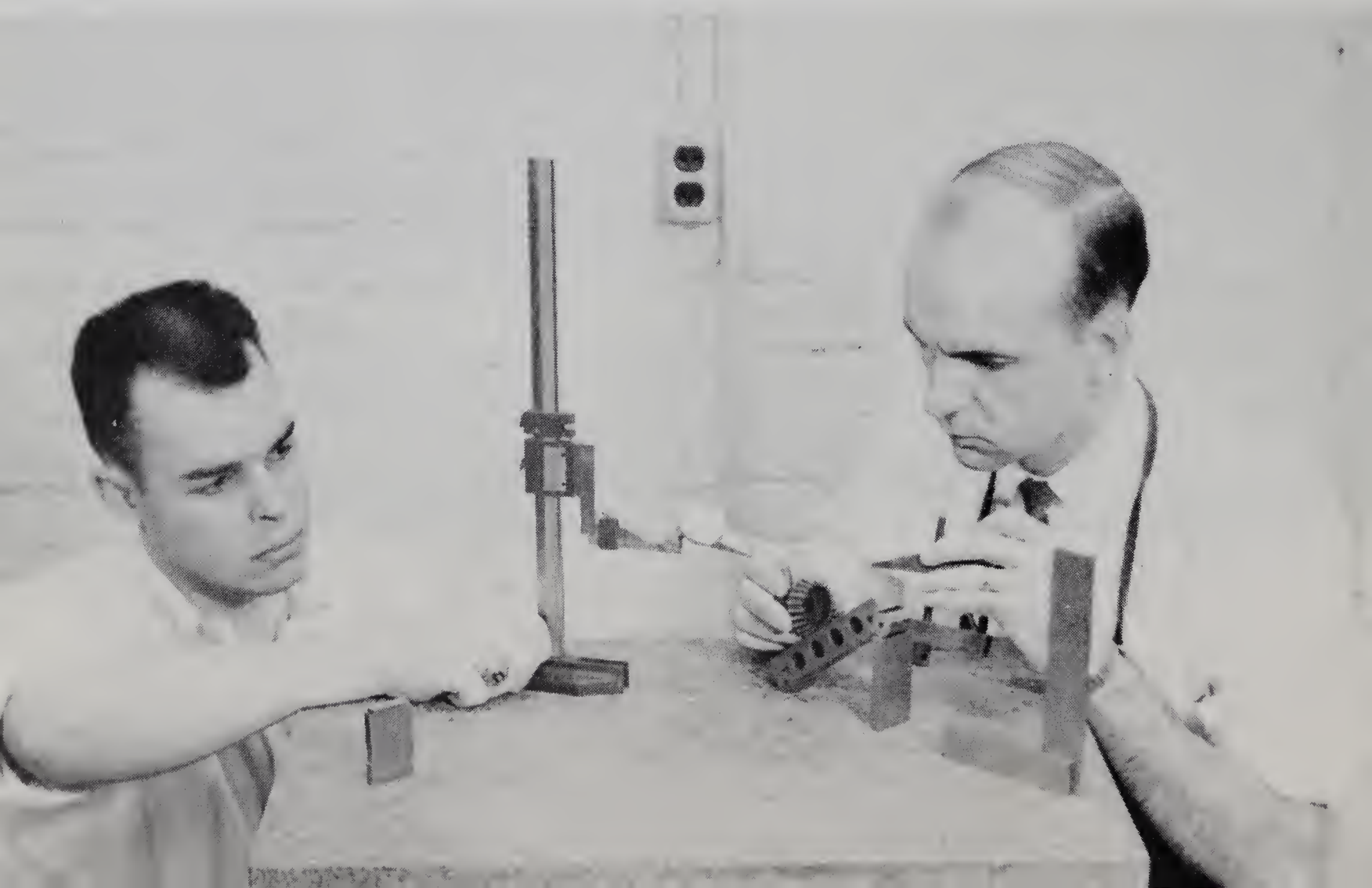
The engineering technician, however, is more concerned with the practical application of established theory and principles than with the development of the principles themselves. Usually, he is more of a specialist than the engineer. For example, he may work as a draftsman, an engineering assistant, a production supervisor, a time-study man, a quality control man, or a technical-sales representative.

The person who will succeed as an engineering technician must have genuine interest in a technical field and must have some mechanical aptitude. Although he does not need the mechanical ability of the skilled worker, he must be able to perform a variety of tasks with the instruments and equipment of his technical specialty.

He must like science and mathematics. His training in these subjects will be less intensive than that of the engineer, but he must be able to understand and apply basic scientific and engineering principles in his chosen field.

Because he will often supervise the work of others, he must like people and be able to work with them. He should be able to express himself clearly, both orally and in writing.

Technician at work



Success Factors for Technicians

1. If you go into a technical career, you will need more and more mathematics.
2. You will be trained in the discipline and practical application of many sciences.
3. You must be precision-minded. Good eyesight and a steady hand are vital.
4. You must be willing to stick to a job until you finish it.
5. You must be able to get along with others.
6. You need to have a vital interest in all technologies, not just the one in which you have specialized.
7. You must have, or be willing to acquire, a good vocabulary. Technical work involves complex terminology.

Minimum Requirements for Engineering Aides

Here are some minimum personal requirements for engineering technician occupations revealed in a survey after one year's employment.

1. SCIENTIFIC AND ENGINEERING KNOWLEDGE
   Ability to carry through simple analyses, independently, in at least one special field.
2. MATHEMATICS
   Ability to apply college algebra, analytical geometry, trigonometry, and logarithms.
3. PLANS, DRAWINGS, DIAGRAMS, AND CODES
   Ability to prepare a variety of simple plans, diagrams, and codes.
4. RESEARCH AND DEVELOPMENT
   Ability to associate new ideas and developments with new technical problems.

Among other technical requirements are the ability to plan and to organize work for a small group, and the ability to convey technical information orally and in writing.

REGULATIONS AND PROCEDURES

Admission Requirements

An applicant will be considered for acceptance if he or she is a graduate of an accredited high school and is recommended by the high school principal or guidance counselor as having a good moral character.

Since mathematics is of such great importance in present-day technical curricula, it is strongly recommended that a student have the equivalent of one and one-half units of high school algebra and one unit of high school plane geometry. Students presenting only one unit or less of algebra, or no plane geometry, are advised to take special non-credit courses to meet these deficiencies. Courses scheduled to meet deficiences in these areas will not carry degree credit. Registration in regular credit courses in mathematics should be delayed until this work is completed. A special non-credit course is offered for applicants who have not taken the work in high school. All deficiencies in mathematics may be removed by attending the summer sessions prior to regular enrollment, or by correspondence. It is wise for the student to make every effort to complete the recommended courses in mathematics in high school before application for enrollment, or to take them in summer school or by correspondence prior to entering as a freshman in the fall.

The Gaston Technical Institute enrolls students in four classifications: regular (degree-seeking students); special (no degree credit); unclassified (may be changed subsequently to regular status using credits earned while unclassified); and auditor (no credit).

To be admitted as a regular, degree-seeking student, an applicant must submit a certificate of graduation from an accredited high school or, in the case of non-graduation or graduation from a non-accredited high school, pass a special entrance examination. Regular, degree-seeking transfer students must present official transcripts of work taken at other institutions.

All students, after acceptance and after initial enrollment and registration, are required to take a series of entrance examinations. The results of these examinations are used for purposes of guidance and counseling only; that is, for advisory purposes only.

Admission by Special Examination

Students who have been graduated from non-accredited high schools and mature students who have not completed high school work may qualify for acceptance as students working for a degree by passing special entrance examinations. These examinations will cover approximately the work expected of regular high school graduates.

Admission as a Special Student

Students who do not wish to work for a degree may be admitted in this category upon recommendation of the Registrar and upon submission of satisfactory records of education and experience. The usual entrance requirements may be waived, but regular rules of scholarship will apply after admission. The special student may not represent the Institute in any inter-collegiate contest or become a member of any fraternity—profession, civic, or social—and may not serve in any elective student office.

Admission as an Unclassified Student

Admission as an unclassified student requires the recommendation of the Registrar. Unclassified students must meet the same requirements as regular students and must adhere to the rules and regulations of the Institute. If at a later date an unclassified student wishes to change to regular status, his credits must be evaluated. Credits earned by the student while he is unclassified will be accepted only if he has completed the proper prerequisites. Where credit is allowed, the student will receive the grades earned in the courses accepted for credit.

Admission by Transfer Credits

All students who transfer to the Gaston Technical Institute from other colleges must present official transcripts of work taken at the other institutions. A complete, separate, official transcript must be sent directly to the Registrar from each institution attended. The prospective transfer student must be eligible to return to the institution last attended. The student's record, if of average grade or above, will be evaluated by the Registrar. A transcript evaluation fee of $2 is charged for this service. Evaluation will be final. Failure of the student to present transcripts from all colleges previously attended may result in his dismissal.

Admission as an Auditor

Students who wish to audit courses must obtain the permission of the Registrar. The participation of auditors in class discussion or in tests or examinations is optional with the instructor. Auditors receive no credit for courses taken. They are, however, expected to attend classes regularly.

Veterans

Veterans attending under provisions of Public Law 550 (Korean service) must be prepared to take care of the regular expenses in connection with registration, including tuition and fees, books and supplies, room and board. A Korean veteran is not considered to be attending under Public Law 550 until such time as he presents a Veterans Administration Certificate of Entitlement. To obtain this certificate, the veteran should apply to his local Veterans Administration office.

On the "Application for Program of Education and Training", VA form VB 7-1990, the final objective under Item 15 should be shown as "Associate in Applied Science Degree", and the program under Item 16 should be shown as "Associate in Applied Science Degree" followed in parentheses by the specific curriculum; for example, "Associate in Applied Science Degree (Civil Technology)".

For veterans who have been enrolled at another institution under Public Law 550, the application should be made on VA Form VB 7-1995, "Request for Change of Program or Change of Place of Training". The new curriculum should be shown under Item 7 as "Civil Technology", for example, and the new objective under Item 9 as "Associate in Applied Science Degree". Under Item 10 the program should be shown as "Associate in Applied Science Degree (Civil Technology)", for example.

Procedure in Applying for Admission

Applications for admission are normally considered between February 1 and September 1 for the fall semester; and between October 1 and January 1 for the spring semester. However, applications will be considered at other times.

The applicant, if distance is not too great, should make a personal application. An application form and high school or college transcript must be submitted. The application form, which indicates completely what information is required, may be obtained from and should be submitted to:

Registrar
Gaston Technical Institute
P. O. Box 1399
Gastonia, North Carolina
Telephone: UNiversity 4-4365

Information and application forms may also be obtained from:

Director
College Extension Division
North Carolina State College
Raleigh, North Carolina

The personal information called for on the application form should be completed by the student. This form should then be given or sent to the high school principal along with a stamped envelope addressed to the Registrar, Gaston Technical Institute, and with a $10 check or money order payable to the Gaston Technical Institute. This money is applied toward the regular registration fee. The registration fee may be paid separately rather than with the application form, but action on the application will not be taken until this deposit is received. This fee is refunded to a student whose application is denied. It is forfeited by applicants who are accepted but who do not enroll.

Books, Equipment, and Supplies

All textbooks, instruments, equipment, and supplies needed by the student may be purchased at the Bookstore operated by the Institute. Cost of books and supplies is estimated at not more than $100 for the first semester; $20 for the second semester, and $60 for each of the last two semesters.

Cafeteria

The cafeteria is operated on a non-profit basis, offering three nourishing meals each day, Monday through Friday. The cafeteria is under the management of a trained chef and serves a wide selection of excellent food. Three complete meals can be enjoyed for the nominal cost of about $2 daily.

Room and Board

Room and board for single students will range from $18 to $20 per week. Married students may obtain either furnished or unfurnished apartments at various rent levels. Assistance in obtaining suitable living quarters will be given through the business office.

Tuition and Fees

The following fees are due on registration day:

Registration Fee	$ 10 per semester
*Tuition	100 per semester
Laboratory Fee	15 per semester
Student Activities Fee	15 per semester
Medical Fee (Comprehensive Insurance Coverage)	5 per semester

* Tuition for out-of-state students is $150 per semester.

Late Registration

A late-registration fee of $5 is charged for registration after the days designated in the calendar.

Medical Fee

In the absence of the usual medical facilities, comprehensive insurance benefits are provided for the approximate nine months of the regular term, beginning 48 hours prior to entrance and ending 48 hours after completion of the semester. This coverage continues even if the student should withdraw from school.

Refund

A refund of the amount paid the Institute, less the registration fee, is made to a student withdrawing within ten days from the date of registration. No refund will be made if a student withdraws after this ten-day period.

Payment Schedule

Tuition and fees are payable in advance each term, on registration day. Individual arrangements may be made, if need is shown, for payment of tuition and fees on an installment basis. A service charge of $2 per semester is made for this arrangement. Charges so deferred remain due and payable even though a student withdraws from school after the ten-day period referred to under Refunds.

Commencement Fee

A commencement fee of $10 is charged during the last semester prior to graduation. This fee covers the cost of diploma, cap, and gown, and is applicable without regard to participation or non-participation in commencement exercises.

Summary of Expenses

Charges for tuition and fees vary according to the student's status as an in-state or out-of-state resident at the time of his first enrollment, and as to the type of student (regular, special, unclassified, or auditor).

Total expenses for a regular, full-time student from North Carolina, exclusive of clothing, pocket money, travel, and other incidentals, need not exceed $900 per academic year of nine months. Out-of-state students will need an additional $100.

Residence

The residence status of an applicant, for purposes of determination of applicable tuition and fees, is defined to be either in-state or out-of-state. The administration has ruled that all students whose parents have not been domiciled in North Carolina for more than six months immediately preceding the day of their first enrollment in the institution shall be termed out-of-state students, with the following exceptions:

Students twenty-one years of age at the time of their first matriculation who have resided in North Carolina for more than one year, other than by virtue of attendance at another college or temporary military assignment, preceding the day of their first enrollment;
Children of regular employees of the Federal Government stationed in the State of North Carolina, and
Children of regular employees of the Federal Government who are employed outside of the State, but who through law are permitted to retain their North Carolina citizenship.

The furnishing of incomplete or incorrect information regarding residence may result in the student's dismissal from college.

The Registrar's Office determines each student's residence status on the basis of existing information and interpretation of regulations. Appeals from such classification may be made to the Consolidated University Administration on forms obtainable from the Registrar's Office.

Students Taking Less than 7 Hours

Students taking one course of not more than 4 hours during a regular semester will be charged one-fourth tuition, one-fourth academic fees and no non-academic fees. These students will not be entitled to any of the services and privileges provided by the non-academic fees. Students taking 5 or 6 hours during a regular semester will be charged one-half tuition, one-half academic fees and all non-academic fees. All other students will pay full tuition and fees.

Auditors

Subject to academic regulations, regularly enrolled students may audit courses without additional charge. Those not regularly enrolled, or registering for audits only, will pay the rates applicable to regular students.

Financial Aid

Help in meeting college expenses is available to students in several forms: scholarships, grants-in-aid, loans, athletic awards, deferred payments on tuition and fees, and part-time jobs.

The Jefferson Standard Foundation Scholarship in Electronics Technology at the Gaston Technical Institute is available annually to graduates of North Carolina and South Carolina high schools and preparatory schools.

Graduation Requirements

An Associate in Applied Science degree in the selected technological field will be awarded to the applicant who is recommended by the faculty as having satisfactorily completed the prescribed course of study. It is expected that the applicant will attain a cumulative scholastic point average of not less than 1.75.

Commencement exercises are held annually at the conclusion of the spring semester. All candidates for graduation, including those who complete their requirements for graduation at times other than at the conclusion of the spring semester, are urged and expected to participate in the annual commencement exercises.

Grade System

Each grade is assigned a "grade point equivalent" in quality points for each semester credit hour scheduled. The scholastic point average is determined by dividing the total quality points earned by the number of semester hours scheduled.

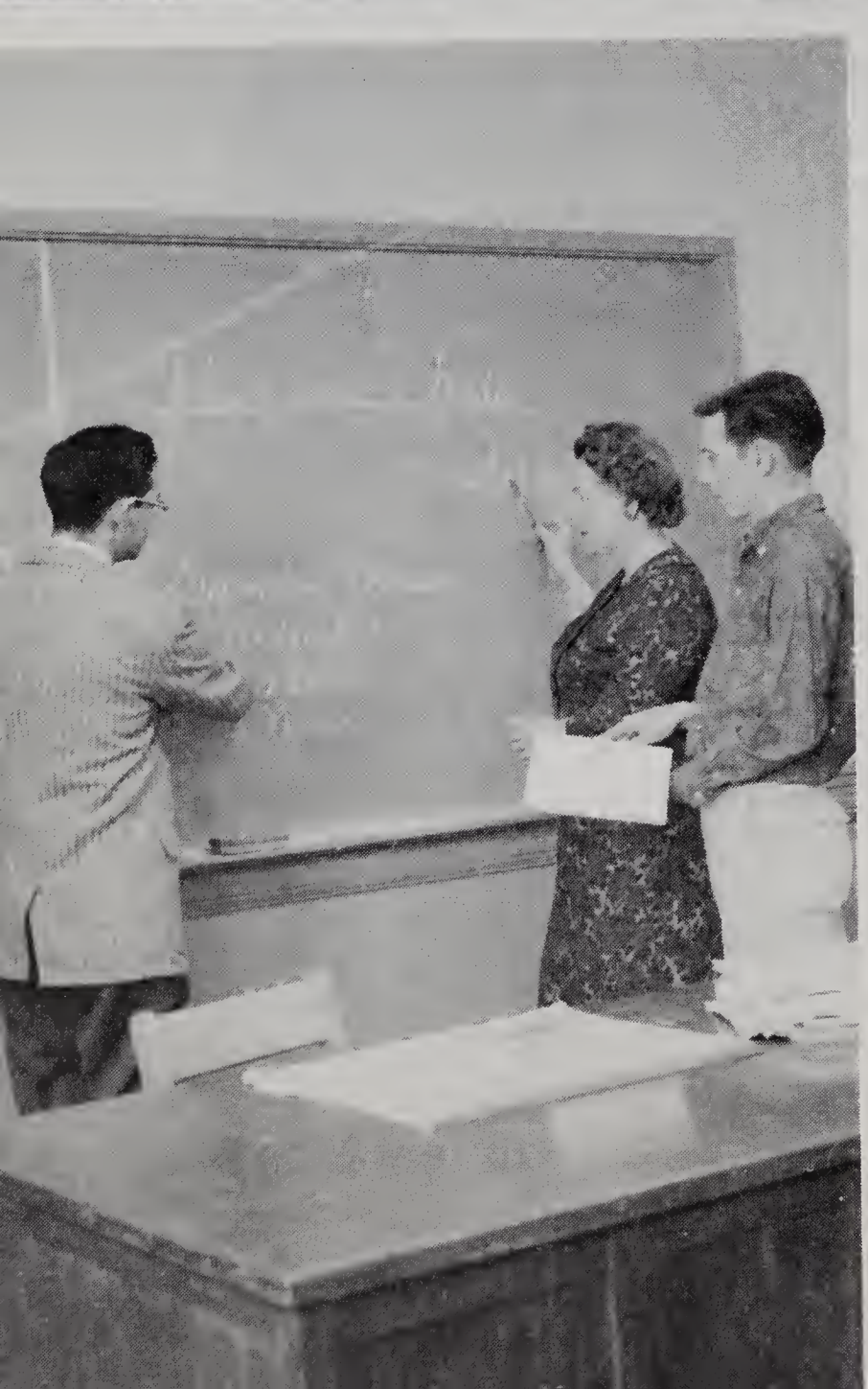
Credit hours on which a grade of WP is received are not counted.

GRADE	GRADE POINT EQUIVALENT
A—Excellent	4 quality points for each credit hour
B—Good	3 quality points for each credit hour
C—Fair	2 quality points for each credit hour
D—Passing	1 quality point for each credit hour
F—Failure	0 quality point for each credit hour

Inc.—Incomplete. (An incomplete signifies that the student has passed final examination but is incomplete in some report or other work assigned by his instructor or that he has an excused absence for the final examination, which will be given him at some later date. An "Inc" must be completed satisfactorily during the next term, or it automatically becomes an "F".)

WP—Withdrawn Passing. (This signifies that a student has withdrawn from school or course voluntarily with a passing grade. No penalty is incurred. Credit hours are not counted in computation of scholastic point average.)

WF—Withdrawn Failing. (This signifies that a student has been dropped from school or course because of failing grades or excessive absences. Failure penalty is incurred in same manner as for grade of "F".)



GASTON TECHNICAL INSTITUTE
PROGRAMS OF STUDY

The Degree of Associate in Applied Science is awarded in the following four technologies:

CIVIL TECHNOLOGY

ELECTRICAL TECHNOLOGY

ELECTRONICS TECHNOLOGY

MECHANICAL AND PRODUCTION TECHNOLOGY

The Curricula

On the following pages are the detailed curricula for the four technologies presently offered. It may be noted that the same courses are required for the first two semesters of all four curricula. In addition, the required third semester courses are the same for both Electrical Technology and Electronics Technology.

Course Numbers

The courses are numbered as follows: the first digit signifies the year of study; the second digit signifies the semester in which the course is given; and the third digit denotes the number of the course in that particular field of study.

For example, ET 225 means that the course will be taken in the second year, the second semester, and will be the fifth course offered in electrical theory.

Course Hours

The numbers following a course number and title represent class hours of recitation per week, laboratory or computational hours per week, and total semester credit hours. Generally, one credit hour is assigned for each class recitation period per week, and one credit hour is assigned for each three-hour laboratory period per week. Thus, PT-111 (Physics I) (5-3-6) means that the first semester Physics course meets for five hours of classroom recitation per week and for one three-hour laboratory period per week for six semester hours credit.

CIVIL TECHNOLOGY

The program of study in Civil Technology is designed to prepare the student for various positions in the construction and transportation fields of engineering. The training received will enable the graduate to perform such duties as estimating, specification writing, surveying, inspection, or supervising with both public and private firms. The practice of land surveying, on a self-employed basis if desired, is open to the graduate upon registration. In addition to having an excellent stock of surveying equipment supplied by the State Highway Department, the laboratory is equipped with the essential tools to provide the student with a first-hand working knowledge of the properties and testing procedures for various engineering materials.

The program also gives training in methods and equipment used in heavy engineering types of construction and considerations of the provisions and practical applications of construction contracts and specifications.

The purpose of the course in Civil Technology is to equip the student with knowledge of practical applications within the broad field of Civil Engineering, on as wide a basis as may be accomplished in a two-year program.

A more complete description of each course required is found in the back of this catalog.

Instruction in Field Surveying

CIVIL TECHNOLOGY

First Year

1st Semester

Symbols	Subject Title	Rec.	Lab.	Tl. Cr.
DT 111	Engineering Drawing	0	6	2
ENT 111	English	5	0	5
MT 111	Algebra and Trigonometry, I	5	2	5
PT 111	Physics I	5	3	6
SP 111	General Shop	0	3	1
		15	14	19

2nd Semester

DT 122	Engineering Drawing	0	6	2
ENT 122	English	5	0	5
MT 122	Algebra and Trigonometry, II	5	2	5
PT 122	Physics II	5	3	6
SP 122	General Shop	0	3	1
		15	14	19

Second Year

1st Semester

CT 211	Plane & Topographic Surveying	3	6	5
CT 212	Contracts and Specifications	2	0	2
CT 213	Estimates and Costs	2	3	3
CT 214	Control of Construction Materials	2	3	3
IT 211	Statics & Strength of Materials	5	0	5
		14	12	18

2nd Semester

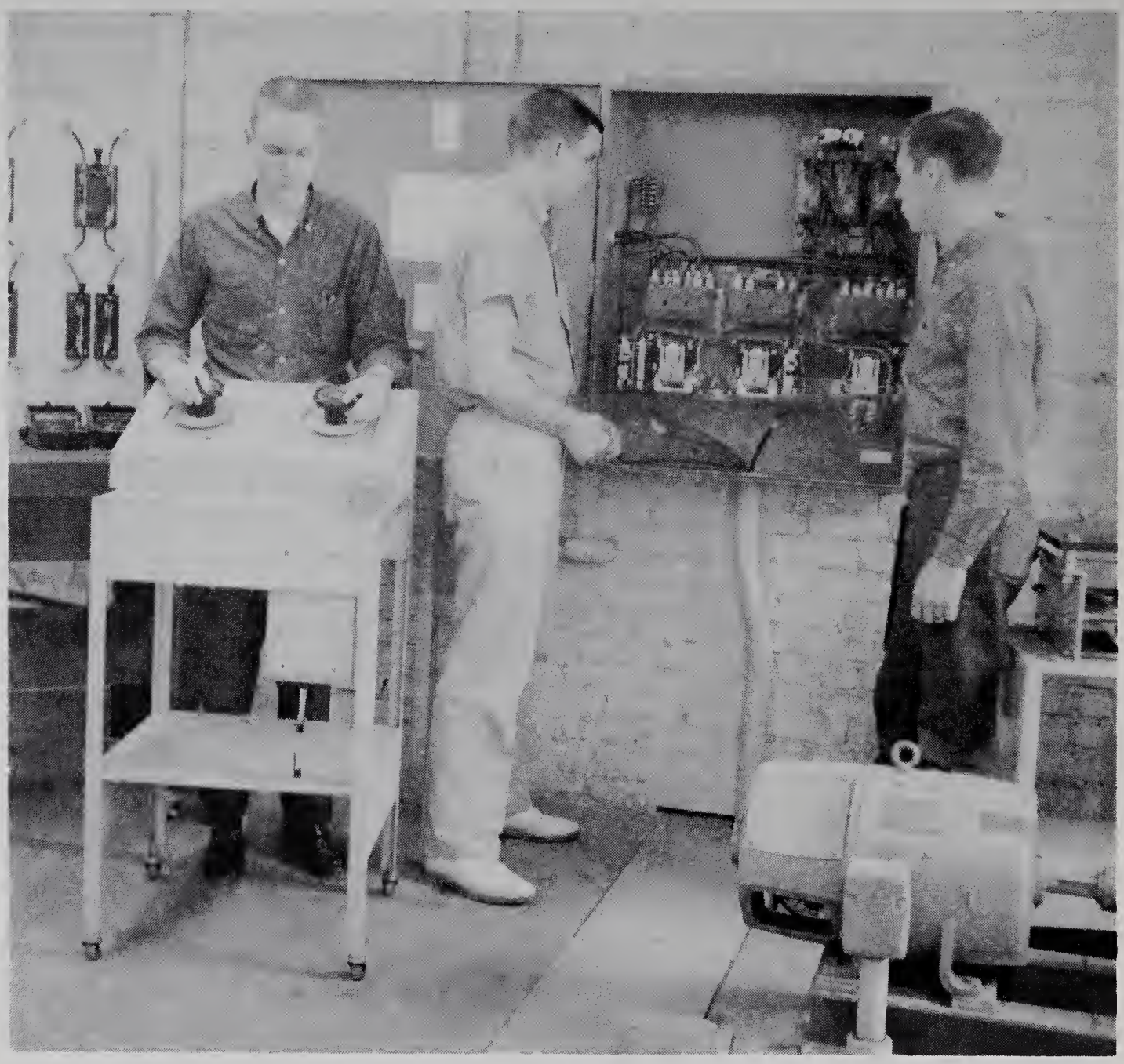
CT 226	Highway Curves and Earthwork	3	6	5
CT 227	Construction Methods and Equipment	3	0	3
CT 228	Control of Construction Materials	2	3	3
DT 227	Structural Drafting	0	6	2
ENT 223	Technical Reports	2	0	2
		10	15	15

ELECTRICAL TECHNOLOGY

The program of study in Electrical Technology is designed to prepare the student for that large area of opportunity between that of the electrician and that of the electrical engineer. The program is founded upon a carefully selected group of courses that will enable the graduate to enter a wide number of activities such as drafting, sales, supervision of installations, maintenance of power plants and other electrical equipment, and electrical contracting. Many of the graduates go into industry as manufacturing and production technicians.

This program will also equip the student with a knowledge of electrical practice in the commercial, residential, and industrial fields on as wide a basis as may be completed in a two-year course.

A more complete description of each course required is found in the back of this catalog.



Modern Laboratories and Equipment

ELECTRICAL TECHNOLOGY

First Year

1st Semester

Symbols	Subject Title	Rec.	Lab.	Tl. Cr.
DT 111	Engineering Drawing	0	6	2
ENT 111	English	5	0	5
MT 111	Algebra and Trigonometry, I	5	2	5
PT 111	Physics I	5	3	6
SP 111	General Shop	0	3	1
		15	14	19

2nd Semester

DT 122	Engineering Drawing	0	6	2
ENT 122	English	5	0	5
MT 122	Algebra and Trigonometry, II	5	2	5
PT 122	Physics II	5	3	6
SP 122	General Shop	0	3	1
		15	14	19

Second Year

1st Semester

DT 213	Electrical Drafting	0	3	1
ET 211	A-C Circuits	5	3	6
ET 212	Electrical Machinery I	5	3	6
ELT 211	Electron Tubes and Circuits	5	3	6
		15	12	19

2nd Semester

ET 223	Wiring and Specifications	2	6	4
ET 224	Electrical Control Circuits	3	3	4
ET 225	Electrical Machinery II	5	3	6
ENT 223	Technical Reports	2	0	2
IT 225	Personnel Supervision	3	0	3
		15	12	19

ELECTRONICS TECHNOLOGY

The program of study in Electronics Technology is designed to provide the student with a thorough background in the basic studies and sciences and to provide him with the essential specialized courses in the electronics area. Emphasis is upon the broad area of electronics endeavor. Modern laboratory equipment provides for a comprehensive treatment of advanced electronics instrumentation. Graduates are employed in manufacturing, production, testing, inspection, promotion, and sale of electronic equipment and systems.

There is a bright future for the Electronics Technology graduate in the building, installation, and maintenance of the electronic devices that are now considered essential to so many phases of our industrial society.

A more complete description of each course required is found in the back of this catalog.

Instrumentation and Experimentation

ELECTRONICS TECHNOLOGY

First Year

1st Semester

Symbols	Subject Title	Rec.	Lab.	Tl. Cr.
DT 111	Engineering Drawing	0	6	2
ENT 111	English	5	0	5
MT 111	Algebra and Trigonometry, I	5	2	5
PT 111	Physics I	5	3	6
SP 111	General Shop	0	3	1
		15	14	19

2nd Semester

DT 122	Engineering Drawing	0	6	2
ENT 122	English	5	0	5
MT 122	Algebra and Trigonometry, II	5	2	5
PT 122	Physics II	5	3	6
SP 122	General Shop	0	3	1
		15	14	19

Second Year

1st Semester

DT 213	Electrical Drafting	0	3	1
ET 211	A-C Circuits	5	3	6
ET 212	Electrical Machinery	5	3	6
ELT 211	Electron Tubes and Circuits	5	3	6
		15	12	19

2nd Semester

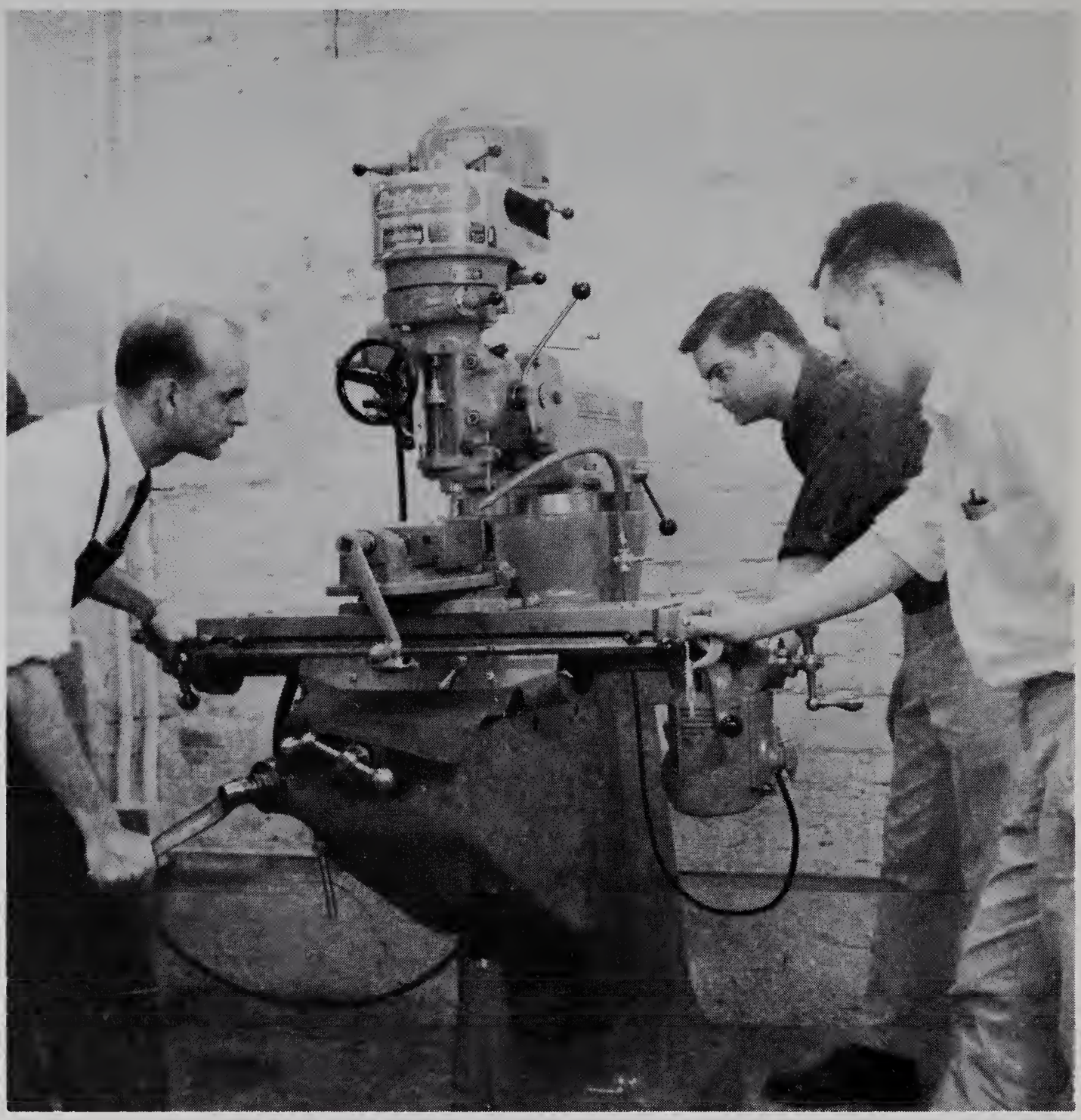
ELT 222	Electronic Circuits and Instruments	3	3	4
ELT 223	Communication Techniques	4	6	6
ELT 224	Codes, Regulations and Specifications	1	0	1
ELT 225	Transistor Circuits	2	3	3
ENT 223	Technical Reports	2	0	2
IT 225	Personnel Supervision	3	0	3
		15	12	19

MECHANICAL AND PRODUCTION TECHNOLOGY

The program of study in Mechanical and Production Technology has as its objective the training of personnel to assist the engineer or the small industry in the planning of production processes and equipment, tooling, supervision of personnel, production of material goods, sales, and drafting. A study of the second-year courses will show a wide range of endeavor to familiarize the student with every phase of these processes.

The versatility of the mechanical and production technician results in a demand for him in all types of industry.

A more complete description of each course required is found in the back of this catalog.



Precision Tools and Techniques

MECHANICAL AND PRODUCTION TECHNOLOGY

First Year

1st Semester

Symbols	Subject Title	Rec.	Lab.	Tl. Cr.
DT 111	Engineering Drawing	0	6	2
ENT 111	English	5	0	5
MT 111	Algebra and Trigonometry, I	5	2	5
PT 111	Physics I	5	3	6
SP 111	General Shop	0	3	1
		15	14	19

2nd Semester

DT 122	Engineering Drawing	0	6	2
ENT 122	English	5	0	5
MT 122	Algebra and Trigonometry, II	5	2	5
PT 122	Physics II	5	3	6
SP 122	General Shop	0	3	1
		15	14	19

Second Year

1st Semester

DT 214	Descriptive Geometry	0	3	1
ET 213	Electric Circuits and Machines	5	3	6
IT 211	Statics and Strength of Materials	5	0	5
IT 212	Materials	3	0	3
IT 213	Tool and Die Design	2	3	3
SP 213	Machine Shop	0	3	1
		15	12	19

2nd Semester

DT 226	Machine Drafting	0	3	1
ENT 223	Technical Reports	2	0	2
IT 224	Production Technology	3	3	4
IT 225	Personnel Supervision	3	0	3
IT 226	Production & Quality Control	5	0	5
IT 227	Machine Design	3	0	3
SP 224	Machine Shop	0	3	1
		16	9	19

DESCRIPTION OF COURSES

CIVIL TECHNOLOGY — Mr. Vance, Mr. Robinson

CT 211 Plane and Topographic Surveying — 5 (3-6)
Prerequisite: MT 122 — Mr. Vance
Study and application: taping, transit, level, and stadia in plane and topographic surveying and mapping; survey closures and area computations: care and adjustment of instruments; construction surveying; aerial surveying.

CT 212 Contracts and Specifications — 2 (2-0)
Prerequisite: None — Mr. Vance
Construction contract documents and specifications; owner, engineer, contractor relationships and responsibilities; bidding procedures; contract performance requirements. Real property and legal aspects of land surveying.

CT 213 Estimates and Costs — 3 (2-3)
Prerequisite: MT 111 — Mr. Robinson
Analysis of plans and specifications for construction requirements; material quantity survey; labor requirements; complete estimates of costs.

CT 214 Control of Construction Materials — 3 (2-3)
Prerequisite: PT 111 — Mr. Robinson
One of two courses, with CT 228, dealing with the application of standard methods of testing and control with respect to materials of construction, including: mortar, brick, concrete, timber, steel, bituminous materials and soils. Elements of design and control of concrete and bituminous mixes.

CT 226 Highway Curves and Earthwork — 5 (3-6)
Prerequisite: CT 211 — Mr. Vance
Route surveys; theory and application of simple, compound, and reverse circular curves, spirals, and parabolic vertical curves; profile leveling and cross-sectioning; earthwork computations; elements of highway design; highway drafting.

CT 227 Construction Methods and Equipment — 3 (3-0)
Co-requisite: CT 213 — Mr. Vance
Performance characteristics of construction equipment; ownership and operating costs; construction methods; selection and application of equipment.

CT 228 Control of Construction Materials — 3 (2-3)
Prerequisite: PT 111 — Mr. Robinson
Complimentary course to CT 214 with emphasis on bituminous materials and soils.

DRAFTING — Mr. Jenkins, Mr. Broadhurst

DT 111 Engineering Drawing — 2 (0-6)
Co-requisite: MT 111 — Mr. Broadhurst
The beginner is taught the use and care of instruments, geometric constructions, orthographic and auxiliary projection, sketching, and lettering techniques.

DT 112 Engineering Drawing — 2 (0-6)
Prerequisite: DT 111 — Mr. Jenkins
Continuation of Drawing I devoted to drafting room practices, threads, gears, and cams, working and assembly drawing, dimensions and sections, and lettering.

DT 213 Electrical Drafting — 1 (0-3)
Prerequisites: DT 111, PT 122 — Mr. Jenkins
Symbols for electrical wiring, preparation of drawings for construction, and preparation of drawings for electronic installations such as transmitters.

DT 214 Descriptive Geometry — 1 (0-3)
Prerequisites: DT 111, MT 122 — Mr. Broadhurst
Theory of projection drawing and its application in solving practical problems by projection and revolution of points, lines, planes, and solids.

DT 226 Machine Drafting — 1 (0-3)
Prerequisites: DT 122, SP 122 — Mr. Broadhurst

Machine drafting including projection, cross section, etc., and preparation of plans for manufacturing; blueprinting.

DT 227 Structural Drafting 2 (0-6)
Prerequisites: CT 211, CT 214, DT 111, IT 211 Mr. Jenkins
Development of working drawings and details for timber, steel, and concrete structures, including bridges and buildings.

ELECTRICAL TECHNOLOGY — Mr. Fuhrer, Mr. Crow

ET 211 Alternating-Current Circuits 6 (5-3)
Prerequisite: MT 122, PT 122 Mr. Fuhrer
Review of direct current circuits and analytical methods. Fundamentals of alternating current components and circuits; voltage, current, power and phase relations in series and parallel circuits containing resistance, inductance and capacitance; complex numbers and "J" factor; admittance, conductance and susceptance; polyphase circuit relations.

ET 212 Electrical Machinery 6 (5-3)
Co-requisite: ET 211 Mr. Fuhrer
Characteristics, construction, application and control of direct current generators and motors; survey of the characteristics and construction of single-phase and polyphase transformers and motors.

ET 213 Electric Circuits and Machines 6 (5-3)
Prerequisites: MT 122, PT 122 Mr. Crow
A survey course for non-electrical students. Includes d-c circuit analysis, generators, motors and associated equipment: single-phase and polyphase a-c circuit analysis, transformers, generators, motors, associated equipment and control circuits.

ET 223 Wiring and Specifications 4 (2-6)
Prerequisites: ET 211, ET 212 Mr. Fuhrer
Specification, layout and estimating for industrial, commercial and residential wiring installations including a consideration of the applicable codes, regulations and licenses.

ET 224 Electrical Control Circuits 4 (3-3)
Prerequisites: ET 211, ET 212, ELT 211 Mr. Crow
Fundamentals of industrial electronic circuits for the control of electrical machinery and electronic devices; thyatrons, ignitrons and associated circuitry; time delay, photoelectric, comparison and feedback control circuits.

ET 225 Electrical Machinery II 6 (5-3)
Prerequisites: ET 211, ET 212 Mr. Crow
Characteristics, construction, operation and control of single-phase and polyphase induction and synchronous motors, synchronous generators, synchronous converters, and mercury arc rectifiers.

ELECTRONICS TECHNOLOGY — Mr. Fuller, Mr. Crow, Mr. Groves

ELT 211 Electron Tubes and Circuits 6 (5-3)
Prerequisites: MT 122, PT 122 Mr. Crow
Characteristics of electron tubes and semiconductors; study of high-vacuum, gas- and vapor-filled tubes, and transistors as applied to rectifiers and amplifiers.

ELT 222 Electronic Circuits and Instruments 4 (3-3)
Prerequisites: ET 211, ELT 211 Mr. Fuller
Study of pulse circuits, techniques and instrumentation, including application of multivibrators, trigger circuits, flip-flops, and other associated circuits, to telementering, computers, automation and related fields. Also study of radio wave propagation as it pertains to transmission lines and antennas.

ELT 223 Communication Techniques 6 (4-6)
Prerequisites: ET 211, ELT 211 Mr. Fuller
Study of communication systems; theory and practical work on AM, FM, and television, including both receivers and transmitters. Also a more thorough study of the applications of the vacuum tube as it may be used in electronically regulated power supplies, audio amplifiers, D.C. amplifiers, cathode followers and other circuits—some of which apply to single sideband transmission and radar.

ELT 224 Codes, Regulations and Specifications 1 (1-0)
Co-requisite: ELT 223 Mr. Fuller
Study of FCC Rules and Regulations as applied to commercial broadcasting, and also the communications of different services such as aircraft radio telegraphy, ship radar, citizens radio, and mobile service.

ELT 225 Transistor Circuits 3 (2-3)
Co-requisite: ELT 223 Mr. Fuller
Basic analysis of semiconductor devices with particular emphasis on transistors and their applications in amplifiers, oscillators, control devices, receivers, and transmitters.

ENGLISH — Mrs. McArver, Mrs. Sanders

ENT 111 English 5 (5-0)
Prerequisite: None Mrs. Sanders
Intensive grammar review and practical training in the basic principles of composition. Vocabulary study of standard and technical terms and phraseology. Introduction to principles of public speaking.

ENT 122 English 5 (5-0)
Prerequisite: ENT 111 Mrs. McArver
A practical course designed to apply the principles of composition to effective business correspondence. Directed supplementary reading. Extemporaneous speeches. Term paper based on specific field of technology.

ENT 223 Technical Reports 2 (2-0)
Prerequisite: ENT 122 Mrs. McArver
Study and practice in the fundamentals of technical report writing, including style and the mechanics in preparing reports of various types which are most likely to be used by technicians.

MATHEMATICS — Mr. Benolken, Mr. Leong

MT 111 Algebra and Trigonometry, I 5 (5-2)
Prerequisite: None Mr. Leong
Review of basic algebraic topics and the number system, the notions of variable and function and their graphs, elementary plane analytic geometry, quadratic equations, system of linear and quadratic equations, finite series, logarithms, trigonometric functions, identities and equations, application of right triangles.

MT 122 Algebra and Trigonometry, II 5 (5-2)
Prerequisite: MT 111 Mr. Benolken
A. Treatment of inequalities and their graphs, complex notation and vector algebra, elementary theory of equations, permutations, combinations and probability, general systems of equations, Cramer's Rule and determinants with elementary transformation of matrices; oblique triangles and inverse functions.
B. An introduction to calculus introduced by graphical methods followed by formal study of differentation and integration with application to average and instantaneous slopes of functions, maxima and minima, derived curves, uniformly accelerated motion, areas under graphs and volumes by integration. A computational period of two hours per week is devoted to applied problems in numerical trigonometry of the right and oblique triangle with emphasis on the use of the slide rule. Problems in topic calculus.

INDUSTRIAL TECHNOLOGY — Mr. Michael, Mr. Morgan

IT 211 Statics and Strength of Materials 5 (5-0)
Prerequisites: MT 122, PT 111 Mr. Michael
Forces, resultants, and equilibrium by analytical and graphical methods; stresses in simple trusses; shear and bending moment diagrams. Internal stresses of tension, compression, and shear in beams and columns of timber, concrete, and steel.

IT 212 Materials 3 (3-0)
Prerequisite: PT 111 Mr. Michael
A study of the most important materials used in engineering work including wood, concrete, steel, etc.

IT 213 Tool and Die Design 3 (2-3)
Prerequisites: DT 122, MT 111 Mr. Michael
A practical course in which parts, jigs, fixtures and dies are designed in actual layout on the drawing board. Emphasis is placed on the fundamental purpose of tool and die design to reduce the cost of the finished commodity, to simplify design, save materials and to eliminate unnecessary manufacturing steps.

IT 224 Production Technology
Prerequisites: DT 111, MT 111 4 (3-3)
A study of production methods and processes, process and tool planning, estimating, and a general study of typical manufacturing problems.

IT 225 Personal Supervision 3 (3-0)
Prerequisite: ENT 111 Mr. Michael
Industrial responsibility, authority, and job instruction. Personnel leadership. Subject concerns the supervisor or foreman as it relates to the cost of materials, production, quality, personnel management, and manager of an industrial department.

IT 226 Production and Quality Control 5 (5-0)
Prerequisites: MT 111, SP 122 Mr. Michael, Mr. Morgan
Methods of inspecting material produced in a production shop. The planning, scheduling, and dispatching of production in manufacturing operations. Construction of production and its relation to labor, materials, and machines.

IT 227 Machine Design 3 (3-0)
Prerequisite: IT 211 Mr. Michael
A study of the design of basic machine elements such as shaft, keys, belts, gears, bearings, couplings, and clutches.

PHYSICS — Mr. Lunsford, Mr. Cline

PT 111 Physics I 6 (5-3)
Co-requisite: MT 111 Mr. Cline
General Physics. An analytical approach to the principles of mechanics, heat, and sound. Emphasis is placed on problem solving and engineering applications. Lectures, problem drill, and laboratory work are coordinated to enable a better understanding of the principles of general physics.

PT 122 Phyics II 6 (5-3)
Prerequisites: MT 111, PT 111 Mr. Lunsford
General Physics. A study of electricity and magnetism, light, and a survey of modern physics. Emphasis is placed on problem solving and engineering applications.

SHOP PRACTICE — Mr. Morgan

SP 111 General Shop 1 (0-3)
Co-requisite: MT 111 Mr. Morgan
This course introduces various elementary processes involving metalwork. Such areas as machine work, welding, forging, sheet metal, and heat treatment of metal are included. The use of hand tools, lay-out tools, and measuring instruments is emphasized.

SP 122 General Shop 1 (0-3)
Prerequisite: SP 111 Mr. Morgan
A continuation of Shop 111 with advanced projects in the general metals field.

SP 213 Machine Shop 1 (0-3)
Prerequisites: DT 122, SP 122 Mr. Morgan
Machine shop processes, procedures, and techniques are analyzed and practiced. A study of precision measuring instruments as related to machine work and inspection is emphasized.

SP 224 Machine Shop 1 (0-3)
Prerequisite: SP 213 Mr. Morgan
Continuation of SP 213 with emphasis on the manufacture of student designed projects.

STUDENT ACTIVITIES

Class Officers

The Freshman Class (first-year students) and the Senior Class (second-year students) elect three class officers each—a President, a Vice President and a Secretary-Treasurer—who are concerned with activities and interests of their respective groups.

Student Council

The student body as a whole is represented by an elected Student Council composed of a President, four Senior Class Representatives, and four Freshman Class Representatives. The Freshman and Senior Class Presidents are non-voting, ex-officio, members of the Student Council.

The Student Council is responsible for policy on student behavior, for all student social events, and for all student fund-raising ventures. The Council is also responsible for scheduling and publishing a calendar of student events which includes meetings of the various clubs, assemblies, and social events.

A student body meeting is held each Thursday at 12:45 p.m. Attendance is compulsory for all students. The Council is in charge of the program at these meetings.

Clubs

HONOR SOCIETY. This club is made up of those students who have maintained consistently high grades and have shown evidence of leadership. Membership in the Honor Society is by invitation after certain requirements have been met.

ASTME. Student Chapter #28 of the American Society of Tool and Manufacturing Engineers is open to all students enrolled in Mechanical and Production Technology. Regular meetings are held at which technical aspects of production, tooling and manufacturing procedures are discussed.

CIVIL CLUB. A club open to all students enrolled in Civil Technology which offers the student an opportunity to participate in all phases of civil engineering by field-trips to various construction projects. It also affords a means of social expression for those who are members.

COLLEGIATE CIVITAN CLUB. An on-campus group sponsored by the Gastonia Civitan Club which is open to students selected by the club. This is a service club. Projects are undertaken which will be beneficial to the school and to the community.

GTI AMATEUR RADIO CLUB. A club which is open to all students of Gaston Tech. Its purpose is to help students who do not have an FCC amateur license to obtain one, to work for a higher license, and to enjoy the best of all hobbies—"Ham Radio".

OTHER CLUBS. In addition to the above clubs, numerous special clubs such as the Camera Club, Glee Club and Science Club offer additional opportunities for personal enjoyment and development.

Publications

Students who are interested in publications may become members of the staff of either of the two publications at Gaston Tech.

The college annual, Tech Paths, is published yearly and affords an opportunity for students to work with photography, cartoon work, journalism, or lay-out design.

The Technical Reporter is a monthly newspaper published by the students. The final copy each year is devoted entirely to senior activities and is produced by the Senior Class.

The publications at Gaston Tech are partially supported by a publications fee which is a part of the student activities fee.

Staff members who meet the requirements of publications work receive special recognition at the end of the year when keys are presented at Awards Day.

Athletics and Recreation

The Gaston Technical Institute offers athletics in a program of two phases, intramural and intercollegiate, to meet the recreational needs of the students. These activities are available to all interested students. During the fall semester, touch football is the intramural sport in which most of the students participate. The teams are composed of students from the four different departments. Basketball becomes a major sport during the winter months, and a rigid intercollegiate schedule is played with teams of the Western Carolina Junior College Athletic Conference. Following the basketball season, a baseball team is organized, and games are regularly scheduled with teams in the above Conference. Softball is enjoyed as an intramural sport during the spring semester.

During the year Student-Faculty basketball and softball games are held as fund-raising activities of various clubs. These games provide opportunities for fun and clowning by the students and the faculty, which add to a closer working relationship within the college itself.

The municipal recreational facilities of the City of Gastonia are available to the student body. Other sports include tennis, golf, volleyball, table tennis, bowling, and swimming. The facilities at the YMCA are available to the entire student body. The "Y" building is new and has some of the best facilities in the South. Students are offered special memberships, and a series of activities is planned to meet the time schedules of those attending Gaston Tech. Some of the activities to be enjoyed at the YMCA are swimming, gymnastics, fencing, trampoline, basketball, arts and crafts, tennis, badminton, and volleyball.

In addition to the school-sponsored activities, students have the opportunity to attend many of the largest athletic contests of the state, including football, baseball, basketball, boxing, wrestling, and ice hockey.

Gastonia Young Men's Christian Association

HELPFUL HINTS

TO REACH THE GASTON TECHNICAL INSTITUTE, 20 miles west of Charlotte, N. C.

BY AUTOMOBILE:
From south, by route 321 or 29. Come to U.S. 29 & 74 and travel west seven blocks from Chester Street.
From north and east, by route 29 and 74, drive ten blocks from center of Gastonia (National Bank of Commerce)
From west, by route 29 and 74, drive to fourth stoplight on Franklin Avenue.

BY BUS OR TRAIN: Taxi to Gaston Tech (about ten blocks west on Franklin Avenue).

BY PLANE: Commercial planes land at Douglas Municipal Airport; limousine to Highway 29; Trailways or Greyhound Bus to Gastonia (hourly service).

SCHOOL CLOTHING: Students generally dress informally, although most of them need a suit on occasion. Many choose slacks, sport shirts, warm jackets or sports coats. Each student, regardless of what he chooses to wear, needs additional clothing suitable for shop and labs. For social events, the usual custom here is for dark suit, dress shirt and tie.

DRAFT DEFERMENT: Gaston Tech students are subject to the same draft deferment regulations accorded to other students in colleges. He is deferred for his first year if his grades are satisfactory. The second year he must be in the upper half of the class for continued deferment.

STUDENT AUTOMOBILES: Gaston Technical Institute students are permitted to keep cars on campus as long as they operate them safely, courteously, and moderately. Parking space is at a minimum, and students are advised to "pool" rides wherever possible.

WHAT TO BRING: Since Gaston Tech has no dormitory facilities, bedding, towels, etc. are arranged for with the individual landlord who decides whether or not such items will be required. Only clothing and any personal items the student desires are necessary. Many students bring radios, cameras, etc., which they enjoy during leisure time.

LAUNDRY SERVICE: No laundry facilities are available at Gaston Tech. However, there are numerous self-laundry facilities placed at strategic points over the city. Two drycleaning establishments are near the school and both pick-up and delivery service is available from commercial laundries and drycleaners.

Points of Interest

1. Gaston Technical Institute
2. Y. M. C. A.

Gastonia, North Carolina

3. Bus Station
4. R. R. Station