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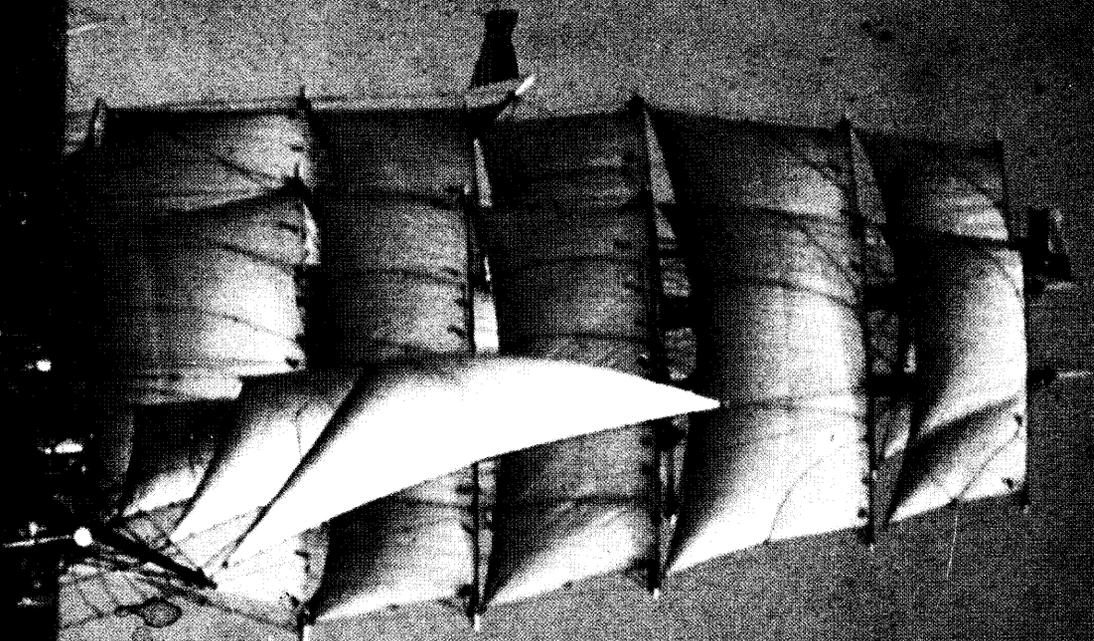
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On Historical Galveston Island



**GALVESTON
COLLEGE**

**CATALOG
1983-1985**

The Galveston Historical Foundation's restored 19th century barque ELISSA set sail on her maiden voyage on Labor Day 1982. The tall ship called at the local port in 1883 and 1886 and was restored by the CHF as a tribute to the Island's maritime history. The ELISSA is docked at Pier 21 for viewing by residents and visitors in Galveston.

M. T. Waddell

Published by

GALVESTON COLLEGE

4015 Avenue Q
Galveston, Texas 77550
Telephone 409-763-6551

Accredited by

Southern Association of Colleges and Schools
Association of Texas Colleges and Universities
National League for Nursing — A. D. N. Program

Approved by

Coordinating Board, Texas College and University System
Texas Education Agency

Member of

Texas Public Community / Junior College Association
Gulf Coast Intercollegiate Conference

NUMBER 14

NON-DISCRIMINATION POLICY

It is the policy of Galveston College to provide equal educational opportunities without regard to race, color, religion, national origin, sex, age, handicap, or veteran status.

This policy extends to employment, admission, and all programs and activities supported by Galveston College. Inquiries concerning equal opportunities may be directed to the Vice President for Fiscal Affairs, the Equal Opportunity Officer for Galveston College.

AN EQUAL OPPORTUNITY EMPLOYER, M/F

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Ph.D.



Steven H. Stubbs



It gives me great pleasure to welcome you to Galveston College. It is my hope that this institution will be able to serve your educational needs for as long as you live in this community. In that sense let me encourage you to take full advantage of the programs and services available at Galveston College. It is our mission to provide educational opportunities in occupational training, university transfer courses, and adult and continuing education courses.

Let me encourage you to take full advantage of the many student services provided by Galveston College. With the help and guidance of our academic advisors and counseling staff, you should be able to analyze your educational needs and chart a course to successfully reach your educational goals.

Further, I urge you to participate in the many extra activities that are available at Galveston College. I think you will find that this institution offers you a variety of activities which will improve your educational experience and will help make life a little better.

Finally, let me encourage you to be a completely dedicated student. I hope you will be dedicated to asking questions; to searching for solutions; to seeking alternatives. Galveston College is good at what it does, but no institution of higher education can do the job without the dedicated help of the students it serves. You must be an enthusiastic learner who is willing to do whatever it takes to achieve your goal. I offer you the full resources of Galveston College to help you achieve your potential.

Jack E. Stone
President

ACADEMIC CALENDAR

FALL SEMESTER, 1983

Pre-enrollment Counseling and Academic Advising	June-July-August
Last Day to Apply for Financial Aid for Fall Semester	August 1
Registration Begins for 1983 Fall Semester	August 1
Faculty Workshop	August 22-26
Classes Begin	August 29
Late Registration, Audit Registration, Schedule Changes	August 29-September 1
Registration Ends for Fall Semester	September 1
Labor Day Holiday	September 5
Classes Resume	September 6
Last Day to File for October ACT	September 30
Mid-Semester	October 21
National ACT	October 29
Last Day to File for Fall Graduation	November 1
Last Day to File for December ACT	November 11
Last Day to Drop Courses or Totally Withdraw	November 18
Thanksgiving Holidays (Classes Dismiss at 2:00 p.m. on November 23rd)	November 24-27
Classes Resume	November 28
Last Day to Apply for Financial Aid for 1984 Spring Semester	December 1
Final Examinations	December 7-8-9-12-13
National ACT	December
Grades Due by NOON in Registrar's Office	December 15
Semester Ends	December 16

SPRING SEMESTER, 1984

Registration Begins for 1984 Spring Semester	November 28
Last Day to Apply for Financial Aid for Spring Semester	December 1
Faculty Workshop	January 9-13
Last Day to File for February ACT	January 13
Classes Begin	January 16
Late Registration, Audit Registration, Schedule Changes	January 16-19
Registration Ends for 1984 Spring Semester	January 19
National ACT	February 11
Last Day to File for Spring Graduation	March 1
Last Day to File for April ACT	March 2

Spring Holidays	March 3-11
Classes Resume	March 12
Mid-Semester	March 16
National ACT	March 31
Last Day to Drop Courses or Totally Withdraw	April 13
Easter Holidays	April 20-23
Classes Resume	April 24
Final Examination Week	April 30-May 1-2-3-4
Last Day to File for June ACT	May 11
Grades Due by NOON in Registrar's Office	May 8
Semester Ends	May 10
Graduation Exercise	May 10

Note: Easter is April 22

FIRST SUMMER SEMESTER, 1984

See Counselors for Summer Semester Scheduling	March 1
Registration Begins for Summer Semester I	April 24
Last Day to Register for June ACT	May 11
Last Day to File for Financial Aid for Summer Semesters	May 15
Memorial Day Holiday	May 28
Classes Begin for Summer Semester I	June 4
Late Registration, Audit Registration and Schedule Change	June 4-5
Late Registration Ends for Summer Semester I (5:00 p.m.)	June 5
Last Day to File for Summer Semester I Graduation (Noon)	June 6
Residual ACT	Early June
National ACT	June 9
Last Day to Drop Courses or Totally Withdraw from College	June 29
Independence Day Holiday	July 4
Classes Resume	July 5
Final Examinations for Summer Semester I	July 10
Grades Due by NOON in Registrar's Office	July 12
Term Ends	July 12

SECOND SUMMER SEMESTER, 1984

Registration Begins for Summer Semester II	June 25
Residual ACT	Early June
Classes Begin for Summer Semester II	July 17
Late Registration, Audit Registration and Schedule Changes	July 17-18

Late Registration Ends for Summer Semester II (5:00 p.m.) July 18
 Last Day to File for Summer Semester II
 Graduation (Noon) July 20
 Last Day to File for Financial Aid for
 1984 Fall Semester August 1
 Last Day to Drop Courses or Totally Withdraw from
 College August 9
 Final Examinations for Summer Semester II August 21
 Grades Due by NOON in Registrar's Office August 23
 Term Ends August 23

***COLLEGE HOLIDAYS
 1983-1984**

Labor Day September 5, 1983
 Thanksgiving (Classes Dismiss at 2:00 p.m. on
 November 23rd) November 24-27, 1983
 Christmas — Semester Break December 17, 1983-Jan. 1, 1984
 Spring Holidays March 3-11, 1984
 Easter Holidays April 20-23, 1984
 Memorial Day May 28, 1984
 Independence Day July 4, 1984

*College Offices will be closed on these dates.

FALL SEMESTER, 1984

Pre-enrollment Counseling and
 Academic Advising June-July-August
 Last Day to Apply for Financial Aid for Fall Semester August 1
 Registration Begins for 1984 Fall Semester August 2
 Faculty Workshop August 27-30
 Labor Day Holiday September 3
 Classes Begin September 4
 Late Registration, Audit Registration, Schedule
 Changes September 4-7
 Registration Ends for Fall Semester September 7
 Last Day to File for October ACT Early October
 Mid-semester October 26
 National ACT Late October
 Last Day to File for Fall Graduation November 1
 Last Day to File for December ACT Early November
 Last Day to Drop Courses or Totally Withdraw November 21
 Thanksgiving Holidays (Classes Dismiss at 2:00 p.m.
 on November 21st) November 22-25
 Classes Resume November 26

Last Day to Apply for Financial Aid for Spring	
Semester 1985	December 3
Final Examinations	December 12-13-14-17-18
National ACT	December
Grades Due by NOON in Registrar's Office	December 20
Semester Ends	December 21

SPRING SEMESTER, 1985

Registration Begins for 1985 Spring Semester	November 26
Last Day to Apply for Financial Aid for	
1985 Spring Semester	December 3
Faculty Workshop	January 7- 13 11
Classes Begin	January 14
Late Registration, Audit Registration, Schedule	
Changes	January 14-17
Registration Ends for 1985 Spring Semester	January 17
Last Day to File for February ACT	Early January
National ACT	Early February
Last Day to File for Spring Graduation	March 1
Last Day to File for April ACT	Early March
Spring Holidays	March 2-10
Classes Resume	March 11
Mid-semester	March 15
National ACT	Early April
Easter Holidays	April 5-8
Classes Resume	April 9
Last Day to Drop Courses or Totally Withdraw	April 12
Last Day to File for June ACT	Early May
Final Examination Week	May 6-7-8-9-10
Grades Due by NOON in Registrar's Office	May 14
Semester Ends	May 16
Graduation Exercise	May 16
Note: Easter is April 7th	

FIRST SUMMER SEMESTER, 1985

See Counselors for Summer Scheduling	March 1
Registration Begins for Summer Semester I	April 22
Last Day to Register for June ACT	Early May
Last Day to File for Financial Aid for	
Summer Semesters	May 15
Memorial Day Holiday	May 27
Classes Begin for Summer Semester I	June 3
Late Registration, Audit Registration, Schedule	
Changes	June 3-4

Late Registration Ends for Summer Semester I (5:00 p.m.) June 4
 Last Day to File for Summer Semester I
 Graduation (Noon) June 6
 Residual ACT Early June
 National ACT Early June
 Last Day to Drop Courses or Totally Withdraw June 27
 Independence Day Holiday July 4
 Classes Resume July 8
 Final Examinations for Summer Semester I July 9
 Grades Due by NOON in Registrar's Office July 10
 Term Ends July 10

SECOND SUMMER SEMESTER, 1985

Registration Begins for Summer Semester II June 24
 Residual ACT Early June
 Classes Begin for Summer Semester II July 15 ✓
 Late Registration, Audit Registration, Schedule
 Changes July 16-17
 Registration Ends for Summer Semester II (5:00 p.m.) July 17
 Last Day to File for Summer Semester II
 Graduation (Noon) July 18
 Last Day to File for Financial Aid for
 Fall 1985 August 1
 Last Day to Drop Courses or Totally Withdraw August 8
 Final Examinations for Summer Semester II August 20
 Grades Due by NOON in Registrar's Office August 22
 Term Ends August 22

***COLLEGE HOLIDAYS 1984-1985**

Labor Day September 3, 1984
 Thanksgiving (Classes Dismiss at 2:00 p.m.,
 November 21st) November 22-25, 1984
 Christmas — Semester Break December 22, 1984-Jan. 1, 1985
 Spring Holidays March 2-10, 1985
 Easter Holidays April 5-8, 1985
 Memorial Day May 27, 1985
 Independence Day July 4, 1985

*College Offices will be closed on these dates.

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LOREN WINTERS, *Purchasing and Property Clerk*



**Eudine Meadows Cheney Student
Center**



GENERAL INFORMATION

HISTORY OF THE COLLEGE

It is known that as early as 1934 there was considerable local interest in a community junior college for Galveston. Interested citizens were able to call and hold an election on November 2, 1935, which created a junior college district with geographical boundaries coterminous with those of the Galveston Independent School District.

Attempts to activate the district included a June 27, 1936, tax proposal, which met with failure at the polls. Community leaders did not relax their efforts during the ensuing years, despite another unsuccessful election in 1958 which proposed a county-wide junior college district.

In 1965, a Union Junior College District, composed of all but three of the independent school districts in the county, was organized.

On April 2, 1966, the Union Junior College District unsuccessfully submitted bond and tax proposals to the voters.

In July of 1966, the Commissioner's Court of Galveston County considered favorably a resolution by the Union Junior College District to disannex the territory comprising the Galveston Junior College District from the territory comprising the newly organized Union Junior College District. This act provided the avenue by which the original district could be activated.

That same year, Galveston leaders renewed their drive to obtain a college for the island. An attorney general's opinion was sought and it determined that the original district was still in legal existence.

The original Board of Regents was appointed on September 21, 1966, by the Public School District Trustees.

On December 3, 1966, an election was held to establish a maintenance tax for the operation of the College. An annual ad valorem tax was authorized at a rate not to exceed \$0.27 per each \$100 valuation of taxable property within the College District.

Many individuals within the local community contributed their time, money, and abilities toward the successful creation of the College.

From the opening of the College in September, 1967, through the Spring of 1970, the College occupied Moody Hall, a refurbished orphanage, as its only campus facility. The initial academic offerings were fairly broad in scope, while the occupational program was minimal but with strong offerings in vocational nursing, office occupations, engineering-drafting and law enforcement.

During this first period, the College implemented cooperative agreements with The University of Texas Medical Branch hospitals resulting in programs in Associate Degree Nursing and Associated Health Occupations, received a gift from The Moody Foundation for one million dollars and achieved its initial accreditation by the Southern Association of Colleges and Schools.

By the Fall of 1970, the College's initial enrollment of 730 had grown to 1,245. During the next two years, the College expanded into temporary buildings, several of which were new, others the result of adjacent property acquisitions. Additional programs established were in mid-management and nurse assistant.

Notable developments during this period were a cooperative nursing program with Brazosport College, a five-year federal allied health grant of a quarter million dollars and, during the Summer of 1972, occupancy of the Mary Moody Northen Center for occupational education.

Enrollment for the Fall Semester, 1972 was 1,717. During the period 1972-76, many new occupational programs were added including offset printing, industrial engine mechanics, refrigeration mechanics, banking and fashion merchandising, office simulation, and a certificate program in hospital unit clerk training. Added to these was an academic program in cooperative education.

During this latest period, the College inaugurated several contract services beginning with offset printing instruction to Ball High School students, acquired a 5.2 acre portion of the old Fort Crockett military installation, initiated concurrent enrollment agreements with city high schools, and attained accreditation reaffirmation from the Southern Association.

In May, 1977, the College opened its Fort Crockett campus at which some 600 students receive course work in health care programs, fine arts, physical education and various other credit and adult educational offerings. Since 1977, the College has added courses in computer science, child development, human development, television and surgical technology. Also, a grant from the National Science Foundation has enabled mathematics and science instructors to employ the computer as an instructional tool.

The second floor of the Shearn Moody Plaza was opened for selected programs in September of 1981. This facility accommodates the following programs: Mid-management, Mini-Course in Clerical Occupations, Nurse Assistant, Surgical Technologist, Unit Clerk and Vocational Nursing.

In addition, photography, metals and printmaking are taught on this campus.

With a generous gift from the Meadows Foundation, the College dedicated the Eudine Meadows Cheney Student Center in October of 1982.

Galveston College offers a well-balanced program of academic and occupational courses. During the Fall of 1982 enrollment reached approximately 2,400 students.

GALVESTON COLLEGE PHILOSOPHY AND GOALS

Galveston College recognizes the dignity and worth of all human beings and believes that post-secondary education should be available to all who can benefit from it. The College further believes that education should be a rewarding experience offered in an environment that enhances the growth and well-being of the community it serves.

Therefore, Galveston College accepts responsibility for developing and maintaining appropriate educational programs and support services responsive to the needs of its students. To meet these needs, the College will offer accessible, high quality university parallel and occupational/technical curricula through the associate degree level as well as programs in adult continuing, general, and developmental education. In addition, the College will seek to provide an integrated program of student development services. The College will seek to achieve these purposes within the limits of its legal responsibilities and available fiscal resources.

In accordance with the philosophy and statement of purposes, the following goals will be pursued:

1. Assist students in discovering and developing attitudes and skills necessary to achieve their educational goals.
2. Provide the first two years of collegiate study (University Parallel Programs) for students pursuing pre-professional and liberal arts courses.
3. Provide associate degree certificate programs in selected occupational/technical fields to prepare students in obtaining marketable job skills.
4. Provide, through adult continuing and general education, opportunities for life-long learning through courses designed for personal development, cultural enrichment and recreational activities.
5. Provide a developmental educational program to improve basic skills in reading, writing, mathematics, and sciences.
6. Provide programs for development of basic skills leading to a high school equivalency certificate.
7. Provide an effective program of student services which includes guidance, counseling and advisement, financial aid, and job placement.

8. Maintain student activities appropriate to the needs of the students.
9. Provide physical facilities which will enhance the learning process and will be conducive to intellectual and physical growth of students.
10. Provide essential support services for the effective operation of the College.
11. Maintain cost effectiveness and financial accountability in all areas.
12. Provide an ongoing program of personal/professional development for all employees.
13. Provide continuing public relations and public information program.
14. Maintain an evaluation system to monitor the quality and effectiveness of the programs, facilities, and personnel of Galveston College.

ADMINISTRATIVE POLICY

The administration of Galveston College reserves the right to make changes in and act as final interpreter of this catalog. The College reserves the right to change, without notice, tuition, other charges, and related requirements and regulations as necessitated by college or legislative action.

ADMISSION POLICIES AND PROCEDURES

COLLEGE CREDIT PROGRAMS-GENERAL ADMISSIONS

The requirements for admission into college credit programs are set forth below:

1. Graduation from an accredited high school; *or*
2. Graduation from a non-accredited high school with condition of scholastic probation for one semester imposed on student; *or*
3. Successful completion of the General Educational Development (GED) Test, as certified by the State of Texas; *or*
4. Recommendation of a Galveston College counselor for students 18 years of age or older; *or*
5. Transfer in good standing from another college or university. In “good standing” means students should be eligible to re-enroll for coursework from the institution from which he/she is transferring.
6. Applicants whose ACT scores are below the limits adopted by Galveston College as satisfactory achievement for admission to study in the College Curricula will be required to remedy those deficiencies in one of the following ways:
 - a. Show successful achievement on departmental examination relating to the subject in which the deficiency occurs, *or*
 - b. Enroll in developmental courses until such deficiencies are remedied.

The procedures for admission into a college credit program of study are outlined below:

- STEP 1 Obtain application forms from the Registrar.
- STEP 2 Present completed forms to Registrar.
- STEP 3 Arrange for official transcripts from all schools (high school and colleges) attended to be sent to the Registrar. Transcripts presented to the Registrar’s Office by a student in person *are not acceptable*.
- STEP 4 Arrange to take the American College Test (ACT) and have results sent directly to Registrar. *CAUTION: ACT scores determine course requirements in English, Reading, Mathematics and Biology. (Refer to Departments)*
- STEP 5 Applicants who have not completed their admission file prior to registration may be admitted on a provisional basis after signing the temporary Waiver of Entrance form. This form will be completed in the Registrar’s Office.
- STEP 6 Arrange counseling interview prior to formal registration.



Applicants unsure of admission requirements should contact the Dean of Student Services Office for clarification. When exceptional circumstances necessitate variations from normal admission requirements, applicants are referred to the Dean of Student Services. If it is determined that the request is reasonable, an exception may be authorized.

SPECIAL ADMISSIONS

Early Admissions Program

By enrolling in the Galveston College Early Admissions Program, Galveston area high school students may get a headstart on earning transferable college credit at minimal cost before graduation.

The program is available to high school students subject to the following provisions:

1. The student must be approved by the high school principal and must receive parental or guardian approval.
2. The student will be limited to two academic credit courses per semester at Galveston College.
3. Credit for college hours will not be granted until the student has successfully completed all high school graduation requirements.
4. While attending Galveston College, the student will be expected to adhere to all policies of the College.

International Students

Galveston College is authorized under federal law to enroll non-resident alien students. All correspondence relating to admission should be mailed

to the Registrar, Galveston College, 4015 Avenue Q, Galveston, Texas 77550 U.S.A.

Admissions Procedures for students with an F-Visa

1. Complete the Galveston College Application for Admission forms.
2. Furnish all official high school and college transcripts.
3. Complete the Certificate of Residence form.
4. Complete a "Statement of Financial Support" which must be signed by a parent, relative or sponsor. (Use form provided by the Registrar.)
5. Provide a Certification of Immunizations. (Use forms provided in the Registrar's Office.)
6. Furnish National Test Score of Test of English as a Foreign Language (TOEFL). Minimum score of 550 is required of all students whose native language is not English. English speaking international students should submit ACT scores.

Non-Traditional or Non-Degree Seeking Student

Who may be classified:

1. An individual 18 years or older who wishes to enroll in a course for professional review, cultural or personal growth and achievement may be classified as a non-traditional or non-degree seeking student.

How To Apply:

1. Complete an application at the Registrar's Office.
2. Request classification as "Non-traditional" or "Non-degree" seeking student.

Note: If a student wishes to change to a "degree seeking status" at a later date, the student will be required to furnish all previous college transcripts and meet entrance requirements for specific courses or programs outlined in this catalog or as required by departmental testing or required placement score on the ACT test.

**ADDITIONAL ADMISSION REQUIREMENTS FOR
OCCUPATIONAL/TECHNICAL PROGRAMS**

**SPECIAL NOTE REGARDING ADMISSIONS TO PROGRAMS
WHICH HAVE LICENSING AND/OR ACCREDITING
AGENCY REQUIREMENTS**

Licensing and/or accrediting agencies change their requirements periodically which may result in Galveston College changes of both admissions and curricula in these special programs. Therefore, a student taking preparatory courses for entry into one of these fields may have to change plans to meet any new requirements. The College can not guarantee "future entrance requirements" for these programs.

ASSOCIATE DEGREE NURSING

All Admissions

1. Applicant must meet “College Credit Programs — General Admissions” requirements.
2. Applicant who is under a physicians care must be cleared for admission by the department Chairperson.
3. Applicant must have no record of criminal convictions of a crime other than minor traffic violations.
4. Applicant will be notified of acceptance into the program by the Office of the Registrar.

Standard Admission

1. Have ACT scores permitting enrollment in general education courses required for the degree as follows: English 16, Mathematics 10, Social Science 13, Composite 15
2. Have completed high school biology and chemistry or the equivalent
3. Meet Academic/Progression requirements of the Associate Degree Nursing Program on general education courses if such have been taken during previous college enrollment

Individual Admission — Designed for individual students who do not meet Standard Admission requirements.

1. Complete the following requirements within a time limit of one academic year or the equivalent:
 - a) English ACT sub-score 15 and below, take appropriate courses to meet English and Foreign Languages Department requirements.
 - b) Mathematics ACT sub-score 9 and below, complete Math 042 (Basic Mathematics) with a grade of “C” or better.
 - c) Social Science ACT sub-score 12 and below, take appropriate courses to meet Developmental Studies Department requirements.
 - d) Composite ACT score 14 and below, take appropriate courses to meet Biological Sciences Department requirements.
2. Have a GPA of 2.5 or better on 14 hours of general education courses required for the degree to include a minimum of 8 semester hours of science. No more than one science course repeat is allowed.

Transfer Admission

1. Submit the same documents and meet the same general academic standards as required of other students. (See Standard Admission and Academic/Progression Requirements)
2. Submit a letter of good standing from the head of the previous nursing program attended.

3. In order to establish equivalency, transfer students may be required to take placement tests in courses in the nursing major.

NUCLEAR MEDICINE TECHNOLOGY

All Admissions

1. Applicant must meet “College Credit Programs — General Admissions” requirements.
2. After all other admission requirements are met, the applicant will schedule an appointment for a personal interview with the NMT Program Director.
3. Applicant must have a physical examination by a licensed physician. Forms will be provided at the interview session with the NMT Director.
4. Applicant must have no record of criminal convictions of a crime other than minor traffic violations.
5. Applicant will be notified of acceptance into the program by the Office of the Registrar.

Standard Admissions

1. Applicant must have completed one year of high school algebra (2 years preferred). Physics and chemistry are highly recommended. Minimum average grade of “C” in high school.
- *2. Applicant must have ACT scores permitting enrollment in general education courses required for the degree as follows: English 16, Mathematics 15, Social Science 15, Composite 15.
3. Applicant must have a cumulative grade point average of 2.0 (on a 4.0 scale) on all previous college courses.

*An applicant may be granted an exemption if only the ACT English score is below the required level.

Alternate Admission Requirements

Alternate admission requirements information may be obtained in the Office of Counseling and Placement.

Transfer Admissions

Applicants holding current registration in Radiography or Nuclear Medicine (ARRT), registration in nursing (R.N.) and persons with previous successful college work in the natural and physical sciences may apply for transfer admission. To qualify for admission, the applicant must contact the Office of Counseling and Placement.

Academic Progression Standards

All Nuclear Medicine Technology and academic course work must be completed with a grade of “C” or better. Students failing to complete

course work at the acceptable level must apply to the director of the program for permission to continue in the program. Such permission, if granted, will be probationary in nature.

RADIOGRAPHY PROGRAM

All Admissions

1. Applicant must meet “College Credit Programs — General Admissions” requirements.
2. After all other admission requirements are met, the applicant will schedule an appointment for a personal interview with the Radiography Program Director.
3. Applicant must have no record or criminal convictions of a crime other than minor traffic violations.
4. Applicant will be notified of acceptance into the program by the Office of the Registrar.

Standard Admissions

Applicants to the Radiography Program must meet the following qualifications prior to consideration for admission to the program:

1. ACT composite of 12 or PSB Aptitude Exam score of 40.
2. Diagnostic reading test. Students must reach required reading levels before entrance into the program.
3. Provide a writing sample to be evaluated by English department. An unsatisfactory evaluation will result in applicant having to successfully complete English 031 prior to admission to the program.

Academic Progression Standards

Students accepted into the Radiography Program must receive a “C” in all radiography courses and must maintain a 2.0 grade point average or better for all Galveston College credits earned. All radiography courses must be completed in sequence unless otherwise approved by the Program Director.

RADIATION THERAPY TECHNOLOGY PROGRAM

All Admissions

1. Applicant must meet “College Credit Programs — General Admissions” requirements.
2. After all other admission requirements are met, the applicant will schedule an appointment for a personal interview with the Radiation Therapy Program Director.
3. Applicants must have no record or criminal convictions of a crime other than minor traffic violations.

4. Applicant will be notified of acceptance into the program by the Office of the Registrar.

Standard Admissions

1. Have ACT scores permitting enrollment in general education courses required for the degree as follows:
 - a) English 16
 - b) Mathematics 15 or have successfully completed (grade of “B” or better) high school algebra or an equivalency examination.
 - c) Social Science 13
 - d) Composite 15 or have successfully completed (grade of “B” or better) one semester of high school biology.

Individual Admissions — Designed for individual students who do not meet Standard Admissions requirements.

- *1. Individuals not meeting the ACT score requirements must complete the following courses prior to consideration for admission to the program.
 - *a) English ACT sub-score 15 and below, take appropriate courses to meet English and Foreign Languages Department requirements.
 - b) Mathematics ACT sub-score 14 and below, take appropriate courses to meet Mathematics and Physical Science Department requirements.
 - c) Social Science ACT sub-score 12 and below, take appropriate courses to meet Developmental Studies Department requirements.
 - d) Composite ACT score 14 and below, take appropriate courses to meet Biological Sciences Department requirements.
2. Complete steps 1 and 3 under Standard Admission.

*An applicant may be granted an exemption if only the ACT English score is below the required level.

Academic Progression Standards

All Radiation Therapy Technology courses must be completed with a grade of “C” or better to progress to any subsequent Radiation Therapy Technology course. Courses must be completed in sequence, unless approved by the program director.

RESPIRATORY THERAPY PROGRAM

All Admissions

1. Applicant must meet “College Credit Programs — General Admissions” requirements.
2. After all other admission requirements are met, the applicant will schedule an appointment for a personal interview with the Respiratory Program Director.

3. Applicant must have no record or criminal convictions of a crime other than minor traffic violations.
4. Applicant will be notified of acceptance into the program by the Office of the Registrar.
5. Applicant must have a physical examination by a licensed physician prior to beginning the clinical portion of the curriculum.

Standard Admissions

1. Applicant must have ACT scores permitting enrollment in general education courses required for the degree as follows: English 16, Mathematics 15, Social Science 13, Composite 15.
2. Applicant must have completed high school biology or chemistry.

Individual Admissions — Applicants who do not meet Standard Admissions requirements must complete the following requirements prior to consideration for admission to the program.

- *1. Individuals not meeting the ACT score requirements must complete the following courses as needed:
 - *a) English ACT sub-score 15 and below, take appropriate courses to meet English and Foreign Language Department requirements.
 - b) Mathematics ACT sub-score 14 and below, take appropriate courses to meet Mathematics and Physical Sciences Department requirements.
 - c) Social Science ACT sub-score 12 and below, take appropriate courses to meet Developmental requirements.
 - d) Composite ACT score 14 and below, take appropriate courses to meet Biological Sciences Department requirements.

*An applicant may be granted an exemption if only the ACT English score is below the required level.

Transfer Admissions

Applicants that have completed courses in other Respiratory Therapy Programs (including graduates of AMA approved Certificate Programs in Respiratory Therapy), or a Certified Respiratory Therapy Technician, or a graduate of a 2, 3, or 4 year program in a health related field may apply for transfer admissions. For information to qualify for admission, the applicant must contact the Galveston College Counseling Office.

Academic Progression Standards

All Respiratory Therapy and academic course work must be completed with a grade of “C” or better. Students failing to complete course work at the acceptable level must apply to the director of the program for permission to continue in the program. Such permission, if granted, will be probationary in nature.

ADMISSIONS TO CERTIFICATE PROGRAMS

INDUSTRIAL PROGRAMS — Industrial Electronics, Industrial Engines, and Refrigeration Mechanics

To qualify for admission, the applicant must:

1. Show high interest in the program
2. Be a high school graduate or have successfully completed the GED.
 - a) If applicant is less than 18 years of age but *not* a high school graduate, applicant will need “individual approval” from a Galveston College counselor.
 - b) If applicant is over 18 years of age, but not a high school graduate, applicant will need written permission to enter class from the instructor.
3. Submit application form.

MINI-COURSE IN CLERICAL OCCUPATIONS

Anyone interested in office work and a career may apply for admission to the Mini-Course in Clerical Occupations Program in the Registrar’s Office.

NURSE ASSISTANT PROGRAM

To qualify for admission; the applicant must:

1. Be 18 years of age or older.
2. Have completed a minimum of 10th grade education.
3. Arrange with the Counseling Office to take and successfully pass an entrance exam.

UNIT CLERK PROGRAM

To qualify for admission, the applicant must:

1. Be 18 years of age or older.
2. Be a high school graduate or have successfully completed the GED. Submit a high school transcript or GED scores to the Registrar’s Office.
3. Arrange with the Counseling Office to take and successfully pass an entrance exam.

VOCATIONAL NURSING PROGRAM AND SURGICAL TECHNOLOGY PROGRAM

Standard Admissions - Applicants to these programs must meet the following requirements prior to consideration for admission to the program:

1. Arrange with the Counseling Office to take the PSB Aptitude Examination for Hospital Nurses. PSB percentile score of 40 or better is required for standard admissions.
2. Applicant must be 17 years of age or older.

3. Applicant must be a high school graduate or have successfully completed a GED certificate.
4. Applicant must submit a report of physical examination from a licensed physician prior to enrollment.
5. Applicant must have no record or criminal convictions of a crime other than minor traffic violations.
6. Applicant must make a satisfactory score on a reading examination.

Alternate Admissions - Designed for individual students who do not meet the standard admission requirements.

1. Applicant with PSB percentile score of 20-39 must complete these requirements prior to consideration for admission to the program.
 - a) Complete Mathematics 042 with a grade of "C" or better.
 - b) Complete English 031 with a grade of "C" or better.
 - c) Complete Biology 031 and/or Physical Science 032 with grade(s) of "C" or better.
 - d) Acceptable score(s) on retesting in mathematics and spelling.
 - e) Applicant must make a satisfactory score on a reading examination.

For additional Alternate Admissions criteria, contact the Galveston College Office of Counseling and Placement.

New Vocational Nursing classes begin each February 1. Applicants will be advised of their Admission Status by mail.

AUDIT/NON-CREDIT ENROLLMENT

When space is available, permission to visit or audit a course may be granted. Such permission carries with it permission to listen and observe, but not for handing in papers or entering into class discussions or laboratory work. Credit may not be granted for a course which has been audited.

Audit/non-credit students may register only between the first day of class and the close of late registration. A student who is registered for a non-credit course may not change from audit to credit status after he/she is registered. An audit student does not receive a grade or transcript. Full tuition will be charged for auditing a course.

CONTINUING EDUCATION

Registration in continuing education courses can be accomplished by mail (name, address, telephone number, check or money order for exact tuition charges) or in person at the College.

Registration dates, times, place and fees will be published.



COUNSELING AND PLACEMENT SERVICES

The Office of Counseling and Placement is responsible for the appropriate counseling, testing, placement, and follow-up services at Galveston College. The Office exists to enable the student to achieve maximum productivity as a person. It assists students prior to their enrollment, during their years at Galveston College, and finally in securing a job in their career field.

Individual counseling is available for all students at Galveston College. A staff of professional counselors is available to work with students who seek help in resolving questions of career choice, advanced placement, study skills, getting along with others, self-understanding, and other kinds of personal problems. All counseling is confidential.

Counseling services are also offered to help students make decisions in regard to their educational and vocational goals and plans. Once these goals have been determined, the proper division of study can be identified, specific courses selected and long-range plans developed and formulated with the students as they progress through the initial phases of course work. Educational programs should be planned in detail with the counselors before the end of the first year of attendance.

For those students who choose occupational education programs, placement services can be utilized to assist their entry into employment areas, once the prescribed program of study is successfully completed. For those students who choose from the university parallel programs, successful transfer to the upperdivision level of the senior institution of the student's choice is the overall aim of the assistance offered by the counseling and placement services.

The Office of Counseling and Placement is located in Moody Hall.

FACULTY ADVISORY SYSTEM

In order that the faculty may be of service to Galveston College students in planning and attaining their academic and vocational goals, most full time students with degree plans will be assigned faculty advisors. Advisors are usually selected from the department of the student's academic or vocational major. Students meet with their advisors to plan each semester's schedule prior to picking up registration permits from the Registrar's Office before each registration period.

REGISTRATION

The formal registration of students is held prior to the beginning of classes each semester. The registration is simplified if students have completed admission procedures before registration begins. Details for registration procedures and course offerings are published each semester.

Concurrent College Enrollment

A student who wishes to enroll concurrently at Galveston College *and* another college during any one semester must have *prior* written approval from the Dean of Student Services of Galveston College. The total semester hours for which the student is enrolled at *both* colleges may not exceed those for a full-time student as defined by Galveston College.

AMERICAN COLLEGE TESTING PROGRAM

(A.C.T.)

Freshmen students entering Galveston College will be required to submit scores on the American College Test. All students who plan to receive an associate degree and/or transfer to another institution are required to have American College Test (ACT) scores on record. Information concerning ACT testing dates may be obtained from the Office of Student Services, Moody Hall. The ACT code for Galveston College is 4103.

ACT scores, together with other background information, are used in initial counseling interviews to help students make tentative decisions concerning programs of study as well as to help determine placement within specific programs. More extensive testing and self-evaluation services may be needed and utilized on an individual basis as needs arise.

Students with deficient ACT scores will be required to enroll in special courses during their first semester.

Students who may require developmental assistance in reading, English, mathematics, and science subjects will be scheduled for the following courses.

COMM. 031 — READING SKILLS — Designed for students who score 4 or less on the ACT Social Science sub test.

COMM. 032 — READING IMPROVEMENT — Designed for students who score 12 or less on the ACT Social Sciences sub test. Students must remain enrolled in Reading Improvement until they have achieved an 11th grade proficiency reading level.

This reading level is required before enrollment will be permitted for certain credit courses ie. biology and nursing.

ENGLISH 031 — SENTENCE BUILDING — For students scoring 15 or below on the ACT English sub test.

BIOLOGY 031 — INTRODUCTION TO BIOLOGICAL SCIENCES — For all pre A.D.N. and A.H.O. students as well as any student deficient in sciences as indicated by an ACT composite score of 14 or less.

PHYSICAL SCIENCES 032 — INTRODUCTION TO PHYSICAL SCIENCES — For students without prior training in Chemistry or with an ACT composite score of 14 or less.

MATHEMATICS 033 — INTRODUCTORY ALGEBRA and MATHEMATICS 034 — INTERMEDIATE ALGEBRA — For students who have not completed two years of high school algebra or for those students who need to review algebra before continuing college level mathematics.

MATHEMATICS 042 — BASIC MATHEMATICS — For students scoring 14 or below on the ACT mathematics sub-test.

HUMAN DEVELOPMENT 131 — CAREER AND EDUCATIONAL PLANNING — This course is recommended for students who are required to enroll in developmental reading and at least one other developmental course.

CAUTION: Freshmen students who do not have ACT scores on record at the time of registration will be required to enroll in English 031 or Basic Mathematics until evaluated.

Note Regarding Exemption from ACT Requirement:

Students are exempt from ACT requirement under the following conditions:

1. If the student transfers 15 or more acceptable hours to this college
2. Written consent of the Dean of Student Services
3. If the student is non-degree seeking or is enrolled for non-credit

Exemptions do not apply to students seeking admission to special programs

VETERANS INFORMATION

Veterans who wish to apply for educational benefits should see the Veterans Representative in the Registrar's Office prior to the time of registration. Although Galveston College does very few advance certifications, most necessary paperwork can be completed prior to registration.

As Galveston College submits advance certifications on an exceptional basis as opposed to the rule, the veteran is responsible for payment of all fees, tuition, and books at the time of registration.

Certification requests must be made each semester, and it is the responsibility of the veteran to contract the Veteran Representative in the Registrar's Office.

FINANCIAL AID

The financial aid program at Galveston College attempts to provide financial assistance to those students who, without such aid, would not be able to pursue a higher education. The primary responsibility for financing an education rests with the student and his/her family, and Galveston College is aware that assistance beyond the family's resources sometimes becomes necessary. In cases wherein financial need for eligible students is documented, Galveston College will assist, as far as possible, using all available local, state and federal funds.

Financial assistance is offered in many forms, such as grants, scholarships, loans and both on-and-off campus employment, or a combination of these aids.

Eligibility Requirements: To be eligible for financial assistance, a student must (1) be accepted for enrollment (if new student) *in an eligible program*; or if presently enrolled be *making satisfactory academic progress in an eligible program*; (2) not be in default on any Galveston College, state or federal government loan and (3) not owe a refund on a grant previously received for attendance at Galveston College; (4) be enrolled for a minimum of 6 semester credit hours, if in an academic program.

Eligible Program is defined as a program of education or training that (1) leads to a bachelor's, associate, graduate or professional degree; (2) is at least a 2-year program that is acceptable for full credit toward a bachelor's degree; and (3) is at least a 1-year program leading to a certificate or degree that prepares a student for gainful employment in a recognized occupation.

Note: Technical-Vocational programs which take less than six months to complete are not eligible.

Application Procedure: Each student requesting consideration for financial assistance must —

- (1) Complete and file a Financial Aid Form (FAF) with the College Scholarship Service, Berkeley, California (processing takes about *six weeks*).

- (2) Furnish the Financial Aid Office upon request documentation to validate income by IRS 1040/1040A Tax Form, or a notarized statement if tax form not filed.
- (3) Complete the Galveston College application form and sign a Statement of Educational Purpose.

All required forms are available in the Financial Aid Office. FAF forms are also available at most high schools or other area colleges. The code number for use with the FAF form is 6255 for Galveston College.

The Financial Aid Form (FAF) is analyzed by College Scholarship Service (CSS) and the results are forwarded to the Financial Aid Coordinator at Galveston College, with an acknowledgment to the student that the results are being sent to the College.

Information obtained from the FAF report is used to determine the student's financial need and the types of awards for which he/she qualifies. Awards made through this office fall into two categories: (1) gift aid, which includes grants and/or scholarships, and (2) self-help funds from College Work-Study. (Also, for associate degree nursing students, long-term educational loans are available.) The amount offered as a financial aid award plus the student's resources and those of his/her parents (if the student is dependent on parents for support) cannot exceed the educational budget for a student as determined by the Financial Aid Office.

Deadlines: Applications for financial aid should be completed, processed and received in the Financial Aid Office by the following dates —

	Priority Deadline	Last Date Application Will Be Accepted	Last Date To Complete Financial Aid File
Summer Sessions	May 15	June 15	July 1
Academic Year (Fall/Spring)	Aug. 1	Oct. 15	Nov. 1
Fall Semester Only	Aug. 1	Oct. 15	Nov. 1
Spring Semester Only	Oct. 15	Dec. 1	March 1

NOTE: Allow a minimum of SIX WEEKS *PRIOR* TO DEADLINE date for College Scholarship to process the Financial Aid Form (FAF).

TYPES OF FINANCIAL AID

Institutional Scholarships: Departmental scholarships are offered to qualified students in the following disciplines: Tennis, Golf, Speech, Drama, Music. Students interested in these scholarships should contact the Department Chairperson for information concerning the application process and the criteria on which they are awarded. Amounts vary from \$150 per semester to an amount equivalent to, but not to exceed, tuition, fees and books.

Scholarships from Private Donors: Various individuals, civic clubs and organizations have provided funds to assist Galveston College students who want to further their education. Student must complete a Scholarship Application in the Financial Aid Office and plan to enroll as a FULL-TIME student. Awards vary from \$100 to \$250 per year, depending upon the corpus of the various scholarship funds, for the long terms only. Application deadlines are August 1 for Fall and December 1 for Spring. The Galveston College Scholarship Committee will review all applications and select recipients for the following scholarships:

Sister Mary Agnesita
Claire Singleton Craft
Mrs. Bennie Mae Dean (Galveston West End Lions)
Galveston County AFL-CIO
Professional Secretaries International (Bea Helman Scholarship)
Ingrid Greenwood
Lambdin Scholarship
Dr. John McGivney
Margaret L. Mills
George P. Mitchell
Jean Morgan Memorial Trust
Mr. & Mrs. Jesse Murillo
Noon Optimist Club
Theta Delta Beta (Alpha Chapter)
Union Carbide
UTMB Secretaries Club

Student Organizations: Foreign Language Club Scholarship
Mexican-American Student Organization
Scholarship

Scholarship for Theatre Major: The Joan Cannady Scholarships will be restricted to theatre majors and will be awarded to students in acting and set design. The participants will be chosen through audition and in the case of scene design through a design competition. The scholarship will be limited to tuition, fees and books for four semesters with the requirement that recipients maintain a C average. Applications are available in Room 304 Fort Crockett.

Scholarships from this perpetual fund will be awarded beginning with the spring of 1983 in memory of Joan Cannady, who performed numerous seasons as an actress in the Upper Deck Theatre, participated in many phases of theatre activities such as costume design, makeup, lines coach, and also served on the Theatre Board of Governors until her death in 1982.

Student Loans, Employment, Grants:

		PROGRAM	ELIGIBILITY CRITERIA	VALUE	HOW TO APPLY
FEDERAL-STATE	LOANS	Texas Guaranteed Student Loan (TCSL)	Enrolled at least Half-time. Established financial need for those with \$30,000 income or more.	\$2500 maximum per year. 9% interest with repayment beginning 6 months after ceasing to be at least half-time.	Contact home bank, credit union, or savings & loan. Applications in the Financial Aid Office.
		Nursing Student Loan (NSL)	Enrolled at least half time in Assoc. Degree Nursing, established financial need.	An average of \$1500 per year. Repayment with 6% interest begins 9 months after ceasing to be at least half-time.	File a Financial Aid Form (FAF) with College Scholarship Service. Forms available in the Financial Aid Office, Room M-137, 4015 Ave. Q, Galveston, TX 77550.
	EMPLOYMENT	College Work-Study (CWSP)	Enrolled at least half-time and established need.	Current minimum wage.	
	GRANTS	Pell Grant (formerly Basic Grant/BEOG)	Enrolled at least half time and established financial need.	Depends on school cost and family income. At CC usually \$838 per year.	
		Supplemental Educational Opportunity Grant (SEOG)	Enrolled at least half-time and established financial need.	\$200 to \$2000 per year	
		State Student Incentive Grant (SSIG)	Texas resident, at least half time, established financial need.	Up to \$2000 per year	
		Texas Public Education Grant (TPEG)	Texas resident, at least half-time, established need.	Tuition and Fees	
OTHER AID	Moody Short-Term Loan	At least half-time, and in good standing.	Tuition, Fees and Books	Application forms available in Financial Aid Office.	
	Scholarships (Private Donors)	Full-time (See Scholarships)	Tuition, Fees and Books		

State Tuition Exemption Programs: The State of Texas offers college students a number of tuition exemption programs. Information for some of these are as follows:

Veterans and Dependents. Certain veterans who have served on active military duty, who were legal residents of Texas at the time of induction

into the service, who have no further entitlement to VA educational benefits, and who have resided in Texas for at least twelve months prior to the date of college registration are qualified for tuition and fee exemption. This exemption also applies to children of members of the Armed Forces killed in action or who died while in the service, and to children of members of the Texas National Guard killed since January 1, 1946 while on active duty. This program is commonly referred to as the HAZLEWOOD ACT. Inquiries should be directed to the Registrar's Office. Student should be able to supply documents to support eligibility requirements as outlined above.

Highest Ranking High School Graduate. The highest ranking graduate of each accredited high school in the State of Texas is exempt from the payment of tuition at public colleges for two semesters of the first regular session following graduation. This program is known as the Valedictorian Scholarship.

Blind, Deaf Students. Certain blind and deaf persons are exempt from the payment of tuition and fees at publicly supported colleges. To be eligible, a student must present certification to the enrolling educational institution from the appropriate state vocational rehabilitation agency of deafness or blindness and be a client of the agency, have a high school diploma or its equivalent, and meet entrance requirements of the educational institution.

Military Personnel and Dependents. Members of the Armed Forces assigned to duty in Texas, their spouses, and their children may register in a state educational institution by paying tuition and fees charged of Texas residents without regard to the length of time in the state.

Texas residents who are orphans of members of the National Guard and Texas National Guard are exempt from payment of tuition and general use fee at publicly supported colleges and universities.

Children of Disabled Firemen and Peace Officers. Children of deceased or disabled firemen, peace officers, custodial employees of the Department of Corrections, or game wardens, whose death or disability was sustained in the line of duty, are exempt from the payment of tuition and general use fee at publicly supported colleges and universities.

Employees of Institutions of Higher Education Other Than Students. A person employed at least half-time on a regular monthly salary basis (not an hourly employee) by a public institution of higher education, with an effective date of employment on the 12th class day of a regular semester or the 4th class day of a summer term, may pay the same tuition as a resident of Texas for self, husband or wife as the case may be and their children, regardless of the length of residence in the state. To be entitled to pay the resident tuition fees such employee must submit prior to the time of each registration a statement certifying employment from the Director of Personnel or a designated representative of the institution of higher education by which he or she is employed. (Statute: Section 54.059)

OTHER EXEMPTIONS — See “Tuition and Fees” section for exemptions for Mature Citizen Students, and for concurrent enrollment at two institutions of higher education.

OUTSIDE AID SOURCES

Veterans Administration Educational Benefits. The purpose of this program is to assist veterans, widows or children of certain deceased or disabled veterans. For specific information, contact the nearest Veterans Administration Field Office, or the Veterans Affairs Assistant in the Registrar’s Office.

Students with Physical Handicaps (Vocational Rehabilitation). The State Board for Vocational Education through the Vocational Rehabilitation Division offers assistance on tuition to students who have certain physical disabilities provided the vocational objective selected by the disabled person has been approved by a representative of the Division. Applications for vocational rehabilitation assistance should be made to the nearest Vocational Rehabilitation Office.

For additional or specific information, see the Student Handbook on financial aid, or contact

Coordinator of Financial Aid
Galveston College
4015 Avenue Q
Galveston, Texas 77550
Phone: (409) 763-6551, Ext. 321

Financial Aid Office is located in Room
M-37, Main Campus
Hours: 8:30 A.M.-5:00 P.M.
Monday through Friday
Fall and Spring Semesters



TUITION AND FEES INFORMATION

The College reserves the right to change, without notice, tuition, other charges, and related requirements and regulations as necessitated by College or legislative action.

The tuition charged per long-term semester is set forth in the itemized schedule below and may be subject to change. Tuition and fees must be paid at the time of registration. No registration packet will be held for late payment. *All scholarship and financial aid* recipients must have completed financial arrangements prior to registration.

A student who is enrolled in a public University or a public community college may be eligible to receive a reduction in tuition charges upon concurrently enrolling in another public institution of higher education. This adjustment will be in accordance with Section 54.062 of the Education Code. In order to qualify, the student must bring a copy of the receipt for payment of tuition from the institution in which enrollment was first made.

Students who are exempt from tuition and/or fees for any reason, must present proof of such exemption at each registration to the pay station.

Mature Citizen Students —

All United States Citizens who are residents of Galveston Community College District who have attained the age of 65 years are entitled to attend any class held by Galveston College for credit or non-credit on a “seats available” basis without paying tuition or any laboratory fees except Individual Instruction Fees (when applicable) and without paying any Special Fees except those listed hereafter (when applicable): Health Insurance; Professional and Personal Liability Insurance; Advance Placement Exams; American College Test; Nursing Certification; Vocational Nursing Examination; OTIS Test; and Strong VIB Test.

Note: Mature citizens who enroll under this policy for **non-credit** will register **only** between the 1st day of class and the close of late registration.

TUITION

No. of Sem. Hrs.	Residents of Texas	Out-of-State Students	Alien Students	Associate Degree Nursing Students
1	\$25.00	\$60.00	\$ 40.00	\$20.00
2	25.00	60.00	80.00	20.00
3	25.00	60.00	120.00	20.00
4	25.00	80.00	160.00	20.00
5	25.00	100.00	200.00	20.00
6	25.00	120.00	240.00	20.00
7	28.00	140.00	280.00	23.35
8	32.00	160.00	320.00	26.70
9	36.00	180.00	360.00	30.05
10	40.00	200.00	400.00	33.40
11	44.00	200.00	440.00	36.75
12	48.00	200.00	480.00	40.10
13	52.00	200.00	520.00	43.45
14	56.00	200.00	560.00	46.80
15	60.00	200.00	600.00	50.00
16	64.00	200.00	640.00	50.00
17	68.00	200.00	680.00	50.00
18	72.00	200.00	720.00	50.00
19	76.00	200.00	760.00	50.00
20	80.00	200.00	800.00	50.00
21	84.00	200.00	840.00	50.00

NOTE: Residence definitions do not apply to ADN students. TUITION AND FEES MUST BE PAID AT THE TIME OF REGISTRATION EACH SEMESTER. A \$5.00 charge will be made for each returned check.

SPECIAL FEES

Student Activity:

9 or more semester hours	per semester	\$10.00
Less than 9 semester hours	per semester	5.00
Building Use Fee (all students except Fire Science and Special Programs)	per semester hr.	1.00
Graduation Fee		10.00
(\$20.00 if paid after filing deadline)		
Late Registration Fee		5.00
Student Identification Card Fee		2.00
Student Identification Card Validation Fee		1.00
Replacement for Student I.D.		3.00
Course Change Fee		2.00
Health Insurance Fee (for all Associate Degree Nursing students, Associated Health Occupation students, Vocational Nursing students, Nurse Assistant students, and Unit Clerk students)	per semester	12.00
	Total Annual	24.00

Professional and Personal Liability		
Insurance (for health related majors)	per year	10.62
Advanced Placement Exams (Credit by Examination — local test		25.00
American College Test (Residual)		8.00
Nursing Certification Fee		10.00
Vocational Nursing Examination		8.00
OTIS Test		2.00
Strong VIB Test		2.00

LABORATORY FEES

Accounting 141, 142, 241, 242	\$5.00
Art 131, 132, 133, 134, 137, 138, 233, 234, 235, 236, 237, 238, 239, 1303, 1304, 2301	2.00
Biology 141, 142, 143, 144, 145, 146, 245.....	8.00
Chemistry 141, 142, 143, 144, 243, 244.....	8.00
Computer Science 141, 142, 241, 243, 244	8.00
Drafting 121, 123, 124, 132, 134, 135, 136, 231, 234, 235, 237, 238, 242, 245, 246	2.00
Engineering 131, 132, 133, 161	2.00
Foreign Language:	
French 141, 142, 241, 242	5.00
Spanish 141, 142, 241, 242	5.00
Machine Transcription 231	5.00
Music 111, 112, 113, 114, 117, 118, 211, 212, 213, 214, 217, 218, 1105, 1106, 1107, 1108, 1109, 1110, 2109, 2110....	30.00*
Music 121, 122, 123, 124, 127, 128, 221, 222, 223, 224, 227, 228, 1209, 1210, 2209, 2210	60.00*
Nuclear Medicine Technology 141	4.00
Nursing — Associate Degree 153, 161, 162, 252, 261, 264, 265....	8.00
Office Machines 131, 132.....	5.00
Office Procedures 231, 232.....	5.00
Office Procedures 234	4.00
Office Procedures 237, 253.....	8.00
Physical Education 1101, 1103, 1104, 1105, 1106, 1107, 1110, 1111, 1112, 1113, 1117, 1118, 2101, 2103, 2104, 2105, 2110, 2111, 2112, 2113, 2114, 2116, 2117, 2118	5.00
Physical Education 1109, 2107, 2108, 2109.....	10.00*
Physical Education 2120.....	15.00*
Physics 241, 242, 243, 244, 245.....	8.00
Printing 124, 132, 133, 135, 136, 137, 141, 261, 262	5.00
Radiography 122, 126, 134, 137	8.00
Respiratory Therapy 110, 120, 121.....	8.00
Radiologic Health Sciences 122, 132, 134	2.00

Radiation Therapy Technology 231, 232	4.00
Shorthand 132, 141, 231	5.00
Television 131, 143, 144, 231, 232	5.00
Typewriting 130, 141, 142, 231, 232	5.00

*Individual Instruction

TUITION AND FEES FOR SPECIAL PROGRAMS

VOCATIONAL NURSING SURGICAL TECHNOLOGY

Long-Term Semesters

Tuition	per semester	\$40.00
Build Use Fee	per semester	15.00
for Vocational Nursing Students only		
Student Activity Fee	per semester	10.00
Health Fee	per semester	12.00
Liability Insurance Premium	per year	10.00
Laboratory Fee	per semester	4.00
Student Identification Card Fee	per semester	2.00
Summer Session		
Tuition	per semester	20.00
Student Identification Card Fee	per semester	2.00
Graduation Fee		10.00
(To be paid during final semester)		

NURSE ASSISTANT AND HOSPITAL UNIT CLERK PROGRAMS

One-Semester Program

Tuition	\$30.00
Building Use Fee	15.00
Student Activity Fee	10.00
Health Fee	12.00
Liability Insurance	10.00
Laboratory Fee	8.00
Student Identification Card Fee	2.00
Graduation Fee	10.00

INDUSTRIAL ELECTRONICS REFRIGERATION MECHANICS AND INDUSTRIAL ENGINE MECHANICS

Long-Term Semesters

Tuition	per semester	\$30.00
Building Use Fee	per semester	15.00
Student Activity Fee	per semester	10.00

Laboratory Fee	per semester	8.00
Student Identification Card Fee	per semester	2.00
Graduation Fee		10.00
(To be paid during final semester)		

MINI-COURSE IN CLERICAL OCCUPATIONS

Tuition	per quarter	\$60.00
Building Use Fee	per quarter	15.00
Student Activity Fee	per quarter	10.00
Laboratory Fee	per quarter	10.00
Student Identification Card Fee	per quarter	2.00

CONTINUING EDUCATION

Tuition and fees for continuing education courses depend largely upon the

1. Length of courses (in hours and weeks).
2. Number of meeting sessions.
3. Need for related study aids beyond the normal text or reference.

BAD CHECKS

A \$5.00 charge will be made by the College for each returned check.

REFUND POLICY

1. College Credit and Certificate Program Courses

- A. Students who officially withdraw from the institution will have their tuition and fees refunded (except fees for Identification Cards which will not be refunded) according to the following schedule:

Fall and Spring Semesters

Prior to the first class day	100 %
During the first five class days	80 %
During the second five class days	70 %
During the third five class days	50 %
During the fourth five class days	25 %
After the fourth five class days	NONE

Summer Semesters

Prior to the first class day	100 %
During the first, second or third class day	80 %
During the fourth, fifth or sixth class day	50 %
After the sixth class day	NONE

- B. Students who reduce their semester credit hour load by officially dropping a course or courses and remain enrolled at the institution

will have applicable tuition and fees refunded according to the following schedule:

	Regular Session
During the first twelve class days	100 %
After the twelfth class day	NONE
	Summer Session
During the first four class days	100 %
After the fourth class day	NONE

- C. Tuition and fees paid directly to the institution by a sponsor, donor, or scholarship shall be refunded to the source rather than directly to the student.
2. Continuing Education Courses
- A. One Hundred Percent (100 %) refund will be made to students dropping a course prior to the second class meeting following their registration. The student has the immediate responsibility to decide after the first class period attended to continue or drop the course in question.
- B. All refund requests and questions will be handled by the Office of Continuing Education and Evening Division.

FINANCIAL OBLIGATIONS

Students are expected to pay all financial obligations to the College when due. Failure to pay such obligations may result in the student not being allowed to take final examinations, receive an official transcript or enroll for another semester. Financial obligations include, but are not limited to: (1) Returned checks, (2) Returned check charges, (3) Library fines or lost or damaged book charges, (4) Loss or breakage of instructional material or equipment and (5) Financial Aid loans and grants.

RESIDENT CLASSIFICATION STUDENT RESPONSIBILITY

The responsibility for registering under the proper classification is that of the student, and if there is any question of a student's right to classification as a resident of Texas, it is the student's obligation, prior to or at the time of registration, to raise the question with the administrative officials of the institution in which the student is registering and have such officially determined.

Every student who is classified as a resident, but who becomes a nonresident at any time by virtue of a change of a legal residence by a personal action or by the person controlling the student's domicile, is required to notify the proper administrative officials of this institution at once.



BOOKSTORE

Galveston College owns and operates a bookstore for the convenience of the student body. Required textbooks and other instructional materials are available, as well as appropriate college type variety items and gifts. All transactions are on a cash basis.

THE LEARNING RESOURCES CENTER

The Learning Resources Center (LRC), as part of the Galveston College instructional system, consists of the David Glenn Hunt Memorial Library and Media Services located in Moody Hall at the Main Campus, the Library and Media Production Center located at the Fort Crockett Campus, and a study room located at the Shearn Moody Plaza. The LRC serves all educational program areas of the College including: university parallel, occupational education, and the adult continuing education and evening division. The LRC is located on the second and third floors of Moody Hall, main campus, and the second floor, north, Fort Crockett Campus.

The David Glenn Hunt Memorial Library in Moody Hall and the LRC at Fort Crockett house card catalogues and book collections which are arranged according to the Library of Congress Classification scheme. Also

at both locations, periodicals and newspapers, with back issues on open shelves and on microforms are available for the users.

There is no general reference area. Instead, reference materials are intershelved with the general book collection. In addition to an open, well-organized and accessible collection, the LRC provides other services including: reference assistance, group and individual orientations, preparation of subject lists and bibliographies, and an inter-library loan system covering the other academic libraries in the area.

Media Services, on the third floor of Moody Hall, assists the faculty in the use and maintenance materials and supportive equipment.

The Fort Crockett Learning Resources Center contains current and non-print instructional materials which support nursing, health occupations, music, art and other scheduled classes at the facility. At the Fort Crockett Campus materials are prepared for video use. Complimenting the video production, the television studio is utilized for academic classes. Along with these activities, the Main Campus LRC houses PALS (Progress and Learning Success), a self-help program that gives students an opportunity to overcome learning problems. The faculty may schedule individual student examinations in the Testing Center at the Fort Crockett LRC. The LRC provides Galveston College with a broad range of services which support students, faculty and staff.

At both LRC locations, copying facilities for students and teachers are available at a nominal fee. All materials copied are subject to the copyright law (Title 17, U.S. Code).

The LRC services a book collection of over 36,000 volumes and 400 periodicals. The mediated software collection includes video tapes, motion pictures, filmstrips, audio tapes, microforms, and slides. Special subject collections include Texana, Galveston History, and health occupations materials.

Procedures for the use of the library and media services and the hours of operation are detailed in the student handbook.

Student patrons of the Learning Resources Center are required to return all borrowed materials and to pay all financial obligations due the College.

PALS Center — Progress and Learning Success

PALS Center is an open lab with a variety of materials in the form of filmstrips, cassettes, workbooks, modules and activity sheets that offer independent activities in reading, English, vocabulary building, mathematics, science and study skills, complete with directions, learning activities, examples and guidelines for self-evaluation.

The Center is open to all students at Galveston College who feel a need for assistance or independent activities in a specific area or skill. This service is FREE of charge. No appointment is necessary. Location: Main Campus Library, 2nd Floor.

STUDENT ACTIVITIES

ORGANIZATIONS

Galveston College promotes various types of organizations which offer training in responsible leadership. Among these organizations are the following:

Student Government. The purpose of the student government is to further coordinate student activities with the programs of the faculty and administration, to develop among the student body a greater and more enlightened interest in those matters affecting students and Galveston College, to provide a means of discovering opinion, to provide a means of making known to the college Administration the thinking and feeling of the students, and to encourage a more responsible participation in government functions and student activities. The Student Senate consists of an elected Executive Council and an appointed Advisory Council (See Constitution of Student Government for details). The President of the Senate serves as an ex-officio member of the Galveston College Board of Regents.

Art Club. The Art Club was established in April of 1970. Membership is open to all students but particularly students enrolled in art courses. Emphasis is on production and display of composition of art. The club has called meetings and charges dues to its members.

Athletics. Galveston College, as a member of the National Junior College Athletic Association and the Texas Junior College Conference, competes on the varsity level in tennis and golf. Twelve scholarships covering tuition, fees, and books are awarded in tennis with seven being awarded in golf. Galveston College hosts both a Fall and Spring Invitational Tennis Tournament which attracts colleges from all over the state. The College is also a member of the Gulf Coast Intercollegiate Conference which provides competition on an extramural level. Each Fall and Spring, this conference hosts a Bowling Tournament as well as a Sports Day. Sports Day competition includes such activities as tennis, co-ed volleyball, table tennis, softball, basketball, racketball, etc. Intramural competition at the college includes such activities as tennis tournaments, co-ed volleyball tournaments, table tennis tournaments and fun runs.

College Publications.

The Mariner is a student magazine published annually to reflect a pictorial review of the highlights of the student activities and events that



took place during the school year. Students with prior newspaper or year-book experience are especially encouraged to join the staff.

Student Handbook. The Student Handbook is produced as a cooperative effort of students, staff, faculty and the administration of Galveston College. This handbook contains general information about Galveston College. All students are subject to the rules and regulations as authorized in this publication. This publication is distributed to all new students at each registration period. Additional copies of the handbook are available in the office of Student Services.

Delta Psi Omega. This club was established in May of 1976. It is an honorary fraternity whose membership is open to students nominated for their outstanding contribution to the theatre. Honorary membership may be extended to those in the community and faculty, who make outstanding contributions to the theatre arts. The organization meets monthly and will contribute to the theatre activities through the Galveston College Community Theatre and to the theatre facility on the Ft. Crockett campus, as well as plan socials and theatre field trips. There is an initiation fee, but no dues.

Island Potters. This organization was established in October of 1981. It is composed of students enrolled in ceramic courses who are interested in selling their works, taking educational trips, bringing guest artists to the College, and sponsoring social activities. Meetings are held monthly and dues are charged.

M.A.S.O. The Mexican-American Student Organization was established as an officially recognized organization of Galveston College in

October of 1971. Membership is open to all students but particularly to students of Mexican-American descent. The club meets weekly and there are no dues. Through its yearly activities, the club promotes interest in the Mexican-American history, traditions, and culture. It sponsors an annual statewide cultural conference and a scholarship among other activities.

Mid-Management Association. This organization was organized in October 1970 and is associated with Junior Collegiate Texas and National level D.E.C.A. It is composed of students in the mid-management field. The organization seeks to develop leadership among students of mid-management, creates interest and appreciation in vocational fields, encourages high standards in business and industry, and seeks to advance the status of management in the community. It was formerly named Mu Sigma Chi.

Music Club. This club was organized in the spring semester of 1979. It is open to all Galveston College students interested in music. The club members attend live musical events and there are informal opportunities for people who enjoy music to share ideas and experiences.

Phi Rho Pi. This group is the national speech fraternity. The local chapter, Texas AU is open to all Galveston College students interested in speech activities or tournament competition. Areas of participation include debate, oral interpretation, extemporaneous speaking, informative speaking, solo acting, duet acting and Readers Theatre. The Speech Team provides travel to other colleges and universities as well as top-notch competition. Scholarship information can be obtained through the Department of Speech Communications and Theatre.

Phi Theta Kappa. This club was established in February, 1968, and is an officially recognized organization. It is a National honorary scholastic fraternity whose membership is open each semester to full-time students who have completed a minimum of twelve semester hours with no grade lower than "C" and who have a minimum G.P.A. of 3.5. There is an initiation fee, but no dues.

Physical Education Majors' Club. The Physical Education Major's Club, established in March of 1977, is an officially recognized student organization. All physical education majors are eligible for membership. Others with a strong interest in physical education activities may apply for membership. The purpose of this club is to acquaint potential physical educators with the profession, to develop a professional attitude toward physical education, to promote physical education and athletic activities, and to serve the needs of the college whenever possible. Each year this organization sponsors a specific project benefiting the community and one benefiting the college. The club meets monthly and charges dues to its members.

Student Nurses Association. The Student Nurses Association was established in February, 1968, and is an officially recognized organization. It is

composed of students in the Associate Degree Nursing Program classified as active members and Pre-Nursing students classified as associate members. The organization seeks to assume responsibility for contributing to nursing education in order to provide for the highest quality health care, to provide programs representative of fundamental and current professional interests and concerns and aid in the development of the whole person, his/her professional role, and his/her responsibility for the health care of people in all walks of life. Dues paying members in the Galveston College Student Nurses Association are recognized as members of the Texas Student Nurses Association and the National Student Nurses Association.

The Foreign Language Club. The club compliments the study of a foreign language through cultural awareness. Club members get involved in a variety of civic and humanistic activities, like the sale of UNICEF cards, Easter baskets for an orphanage, etc. Members take field trips to plays, ballets, comedies or lectures related to their study of a foreign culture. Every year the club organizes or participates in a travel study to a city of cultural interest or to a foreign country like Mexico. Profits from bake sales and Flea Markets also go to the scholarship fund and successful applicants for a scholarship will receive \$50.00 a semester for the study of a foreign language. Membership is open to all students and there are many professional associations open to those who wish to join. Meetings are held regularly with no mandatory dues.

Zeta Alpha Rho. This organization was established in March of 1982. It is composed of past and present radiography students and is devoted to furthering of radiologic and liberal education of the members. Although the organization is primarily for social purposes, it also promotes civic activism, leadership and citizenship. Meetings are held biweekly and dues are charged.

ACADEMIC INFORMATION

CREDIT FOR COURSES

The semester hour is the unit of measurement at Galveston College and is defined generally as one clock hour of class session per week for a sixteen week semester, or its equivalent.

The number of clock hours of laboratory work equated to one clock hour of lecture will vary with the special requirements of the course.

Normally, it is the student's responsibility to take courses in sequence and at the proper level.

EXPLANATION OF THE COURSE NUMBER SYSTEM

The courses offered by Galveston College usually carry three digit numbers (for example, History 131). However, some courses carry four-digit numbers (for example, Music 1301, and Physical Education 1101).

In this system of course numbering, the first numeral indicates the level of the course ("0" indicates developmental level, "1" indicates freshman level and "2" indicates sophomore level).

The second numeral in the course number indicates the semester-hour credit assigned to the course ("0" indicates no credit value, "1" indicates one semester hour credit, "2" indicates two semester hours credit, "3" indicates three semester hours credit, "4" indicates four semester hours credit, etc.)

The third numeral, in the case of a three-digit number, or the third and fourth numerals, in the case of a four-digit number, usually indicate the sequence in which the course should be taken (for example, English 131 is understood to precede English 132.)

CLASSIFICATION OF STUDENTS

A student who has completed less than 30 semester credit hours is classified as a freshman.

A student who has completed 30 or more semester credit hours and has not received a degree is classified as a sophomore.

A student may also be classified as a full-time student or a part-time student according to the criteria listed below.

Full-time student

1. During the Regular Semester:
 - a. A student registered for twelve (12) or more semester hours is defined as a full-time student by Galveston College.

- b. A student registered for twelve (12) or more semester hours is defined as a full-time student by the Veterans Administration.
2. During the Summer Terms:
A student registered for six (6) or more semester hours each term is defined as a full-time student by Galveston College. The Veterans Administration lists four (4) or more semester hours each term as full-time.

Part-time student

1. During the Regular Semester:
 - a. A student registered for less than twelve (12) semester hours is defined as a part-time student by Galveston College.
 - b. See Veterans Information for classification of Veterans.
2. During the Summer:
 - a. A student registered for less than six (6) semester hours is defined as a part-time student by Galveston College.
 - b. See Veteran's Information for classification of Veterans.

COURSE LOAD

Students who are employed or who plan to seek employment are cautioned to consider carefully the amount of college work they attempt in relation to the number of hours they are employed each week and to the student activities in which they participate. A student who overloads in these areas is likely to have scholastic difficulties. A good rule to remember is that a minimum of two hours of preparation outside class is necessary for each hour of class time.

The Counseling Staff or your Program Advisor will recommend a course load for each student. It is recommended that students enrolled in remedial courses limit their course load to 12-13 semester hours or less.

The College reserves the right to limit the course load carried by any student.

CHANGE OF SCHEDULE

Students may change their class schedule as outlined in the printed semester schedules. After a student has registered, a fee of \$2.00 per schedule change will be charged for any changes not initiated by the College (See Tuition & Fees Information).

CLASS ATTENDANCE

Students are expected to attend all lectures and laboratory periods and an accurate record of each student's attendance is kept by each instructor for the duration of the course.

Any student who has missed 10 % of the total clock hours of instruction, not excused by the instructor, will be withdrawn from class by the instructor with a grade of “AWF.” This will be accomplished through the Registrar’s Office.

The student, instructor, financial aid officer and V.A. officer will receive copies of the withdrawal notice.

Programs with special attendance requirements mandated by local, state or national accrediting or professional agencies will observe the agency attendance requirements which affect student certification, registry or licensure, rather than those of the College.

WITHDRAWAL FROM COLLEGE

Any student withdrawing from the College must obtain the proper forms from the Counselor’s Office and secure clearance as indicated on the forms. Students must also turn in identification card to the Student Services Office at the time of withdrawal. All indebtedness to the College must be satisfied in the Business Office prior to withdrawal. When all financial affairs are satisfactorily arranged, student grades and transcripts will become available. Students who do not complete all forms will receive a grade(s) of “F.” The date of withdrawal will be the date the form is completed and the above conditions are satisfied. The last day to completely withdraw from school is noted in each semester calendar.

EXAMINATIONS

The preparation and administration of examinations is the responsibility of the instructor who teaches the course. The number and kind of examinations will be determined by the nature of the specific course.

Mid-semester and final examinations are usually the minimum required of any course.

GRADING SYSTEM

Each department will announce the approved grading standards to be used in assigning grades in each course.

The quality of work done by the student is indicated on the college records by the following letter: “A,” “B,” “C,” “D,” “F,” “I,” “SP,” “W,” and “AWF.” These letters have the following significance:

Letter Grade	Grade Points
Description	Per Sem. Hr.
A = Excellent	4
B = Good	3
C = Average	2

D = Passing, but poor	1
F = Failure	0
AWF = Administratively withdrawn for non-attendance	0
I = Incomplete Work. *Note 1	
W = Official Withdrawal (Not computed in grade point average)	
W = *Note 2	
SP = Satisfactory Progress *Note 3	

The grading system for Vocational Nursing is different from the above.
(See Student Handbook)

*Note 1: Incomplete work must be completed within the time period agreed upon by the instructor and the student, but not to extend beyond the end of the next long term semester or the grade of “I” will automatically be changed to a grade of “F”.

*Note 2: The last day to drop a course with a grade of “W” is noted in the College Calendar.

*Note 3: Grade of “SP” is restricted to “0” level courses only. “SP” indicates that the student has made satisfactory progress but the required level of proficiency has not been attained.

ACADEMIC STANDARDS

Students must meet the grade point requirements listed in Table 1 or be placed on academic probation for the succeeding long-term semester or the succeeding summer term for which the student is registered.

Grade Point Average (GPA)

Four grade points are awarded for each semester hour in which the student receives an “A,” three grade points for each hour of “B,” two grade points for each hour of “C,” one grade point for each hour of “D,” and no grade points for an “F” or “AWF”. The grade point average is the quotient obtained by dividing the total number of grade points earned by the number of semester hours which a student has completed. Grades of “I”, “SP”, and “W” are not assigned grade point values.

Cumulative Grade Point Average

The cumulative grade point average is based upon all of the student’s work taken at Galveston College. However, when courses are repeated only the most recent grade will be used to calculate grade points and semester hours.

Transfer students must meet the grade point requirements corresponding to the number of semester hours for which they have received transfer

credit. Students who have been placed on academic probation by another institution at the close of the last semester during which they attended that institution will be placed on academic probation upon their entrance at Galveston College. Students who have been suspended for academic reasons from other colleges for at least one long-term semester will be placed on academic probation upon admission to Galveston College.

A student who has been suspended twice from any college must obtain special permission to enter Galveston College. Such permission may be granted by the Dean of Student Services or the Committee on Student Status.

The College reserves the right to specify additional requirements for specialized programs.

To be removed from academic probation, a student must:

1. Meet the grade point requirements on the current work attempted, (see Table 1) and
2. Meet the cumulative grade point requirements on all work attempted at Galveston College (see Table 1).

**TABLE 1
GRADE POINT REQUIREMENTS**

Sem. Hrs. Attempted	Grade Pt. Requirements	Sem. Hrs. Attempted	Grade Pt. Requirements	Sem. Hrs. Attempted	Grade Pt. Requirements
1-5	1-5	21	35	41	76
6	9	22	37	42	78
7	11	23	39	43	80
8	12	24	41	44	82
9	14	25	43	45	84
10	16	26	45	46	87
11	18	27	47	47	89
12	19	28	49	48	91
13	21	29	51	49	93
14	23	30	53	50	95
15	24	31	54	51	97
16	26	32	56	52	101
17	27	33	58	53	103
18	29	34	61	54	105
19	31	35	63	55	107
20	33	36	65	56	109
		37	67	57	111
		38	69	58	116
		39	71	59	118
		40	74	60	120

A student who does not have the required number of cumulative grade points, but who meets the grade point requirements on the current work attempted, will be allowed to continue on an academic probation status.

Students who have been placed on academic probation and who fail to meet the grade point requirements in the next semester hours attempted

will be suspended for one long-term semester or the combined summer terms, as applicable.

Students who have questions concerning Academic Standards at Galveston College should contact the Office of Student Services.

STUDENT RECORDS

Galveston College has established policies and procedures to comply with the “Family Educational Rights and Privacy Act of 1974” and the “Texas Open Records Law (State Senate Bill 1071 and House Bill 6)”.

A brief summary of this policy is as follows:

Student records are released only for use by faculty and professional staff for authorized College-related purposes. The release of student records for off-campus use occurs only with the student’s knowledge and consent, or where required by law, or upon subpoena.

Review of Record — Any student who desires to review his/her record may do so upon request to the appropriate office immediately responsible for the record, and completion of the “Request for Access to Student Record” Form.

Challenge to Accuracy of Records — Any student who desires to challenge the accuracy of his/her record should follow the procedure as outlined below:

- a. *Informal Review* — Follow the procedure as outlined for Review of Record. Official will summarize action taken on “Request for Access to Student Record” form. This should be signed and dated by review official and maintained with student’s record.
- b. *Formal Review* — If the Informal Review does not clarify the question of accuracy of the record, the student may request a Formal Review. The President will appoint an institutional official, committee or other party who does not have a direct interest in the outcome of the hearing to hear challenges concerning student record. A written decision will be sent to all interested parties at the conclusion of the hearing.

The following categories of information contained in the student records and files are considered directory information and will be released to the general public without the written consent of the student. A student may request that all or any part of the Directory Information be withheld from the public by making written request to the Registrar’s Office during the first 12 class days of a Fall or Spring Semester or the first 4 class days of a Summer Semester. This request will apply only to the current enrollment period. The following is to be included as Directory Information.

(a) Name; (b) Current and Permanent Address; (c) Telephone Listing; (d) Date and Place of Birth; (e) Major Field of Study; (f) Participation in Officially Recognized Activities and Sports; (g) Weight and Height of Member of Athletic Teams; (h) Dates of Attendance; (i) Degrees and Awards Received; (j) Institution Most Recently Attended (k) Current Class Schedule; (l) Number of Hours Enrolled in Current Semester and (m) Classification.

A copy of the entire Official Galveston College Student Records Policy is on file in the Galveston College Library for information upon request.

CREDIT BY EXAMINATION

A person who believes he/she is qualified by experience or previous training is provided with an opportunity to establish college credit in specific courses through a variety of testing programs. Credit established through examination becomes part of the student's record following successful completion of six (6) semester hours of credit at Galveston College. Semester credit hours and grade points will apply toward graduation requirements. Not all courses offered at Galveston College are approved for credit by examination. A list of those credits which may be established through this method is available in the counseling office.

Request for examination should be made to a counselor, who will provide the necessary petition forms and advise the student of the procedure. A non-refundable fee will be charged for locally prepared and administered examinations in accordance with the prevailing fiscal policy.

Students will be allowed to earn a maximum of twenty-four (24) semester credit hours, through examination. Credit by examination may be attempted only one time in any given course. Students may not establish credit by examination for any course which has been previously attempted at this college or elsewhere.

A student may establish no more than three (3) credit hours earned by credit by examination for the degree requirement in History and no more than three (3) credit hours earned by credit by examination for the degree requirement in Government. Though great effort has been made to interrelate our credit by examination program with transferring four-year institutions, final acceptance of these credits for specific degree purposes is determined by that institution.

The following credit by examination programs are recognized by Galveston College.

1. Galveston College Locally Prepared Examinations

Students desiring to take an examination for credit in occupational-technical or specific university-parallel courses, which are on the College approved list, are to complete the following steps:

- a. Obtain a Permit For Credit By Examination form from the Counseling Office.
- b. Obtain approved form from the appropriate Division Chairperson and schedule test.
- c. Pay the required fee in the Business Office.
- d. Take the form to the examination room on the scheduled date and complete the examination.

Locally developed examinations will be prepared by the appropriate Departmental Chairperson and submitted to the appropriate Vice-President for approval.

Administering these examinations will be the responsibility of the appropriate Departmental Chairperson or his/her designated representative. Scoring and grade determination procedures will be identified by the Departmental Chairperson. The Departmental Chairperson will retain all examination materials in a secured file for at least one calendar year. The student, upon request, will be afforded the opportunity to discuss examination results with the Departmental Chairperson. Credit will be granted for a grade of "A" or "B." The student's transcript will carry the notation "credit by examination."

2. The College Entrance Examination Board Achievement Tests

These tests are different from the Advanced Placement Tests. Counselors in local high schools will furnish information concerning registration for the tests which are administered several times each year.

CEEB Achievement Test	Minimum Score	Course	Semester Hrs.	Grade
English Composition	620*	Engl. 131	3	A
English Composition	550*	Engl. 131	3	B

Students desiring to establish credit as outlined above must complete a "Petition for Credit" form which is available in the Counseling Office. The student's transcript will carry the notation, "Credit based on CEEB Achievement Test."

*In addition, the student must achieve a grade of "Satisfactory" on an essay administered and graded by the Galveston College English Department.

3. The College Entrance Examination Board, College Level Examination Program (CLEP)

Some subject examinations will be recognized for credit. Students desiring credit for a subject examination should contact a Galveston College Counselor prior to taking the examination.

CLEP Achievement Test	Minimum Score	Course	Semester Hrs.	Grade
General Biology	60	Bio. 141-142	8	A
General Biology	55	Bio. 141-142	8	B
Natural Sciences	60	Bio. 145-146	8	A
Natural Sciences	55	Bio. 145-146	8	B
American Government	54	Govt. 231	3	A
American Government	50	Govt. 231	3	B
General Psychology	65	Psyc. 131	3	A
General Psychology	55	Psyc. 131	3	B
Intro. to Sociology	64	Soc. 131	3	A
Intro. to Sociology	59	Soc. 131	3	B
American History	60	History 131	3	A
American History	54	History 131	3	B
English Composition or Freshman English	55*	Engl. 131	3	A
English Composition or Freshman English	50*	Engl. 131	3	B
*In addition, the student must achieve a grade of "Satisfactory" on an essay administered and graded by the Galveston College English Department.				
Introductory Accounting	60	Acct. 141	4	A
Introductory Accounting	55	Acct. 141	4	B
Intro. Micro-Macro Eco.	60	Eco. 231 & 232	6	A
Intro. Micro-Macro Eco.	54	Eco. 231 & 232	6	B
General Chemistry	65	Chem. 142	4	A
General Chemistry	50	Chem. 141	4	B
College Algebra	60	Math 141	4	A
College Algebra	55	Math 141	4	B
Trigonometry	60	Math 143	4	A
Trigonometry	55	Math 143	4	B
Calculus with Elem. Functions	60	Math 149	4	A
Calculus with Elem. Functions	55	Math 149	4	B

4. The College Entrance Examination Board Advanced Placement Program Examination. (APP)

These examinations may be taken in high school which offers advanced placement courses.

AAP Achievement Test	Minimum	Course	Semester	Grade
	Score		Hrs.	
Biology	4	Bio. 141-142	8	A
Biology	3	Bio. 141-142	8	B
American History	4	History 131	3	A
American History	3	History 131	3	B
Spanish	4	Span. 141 & 142	8	A
Spanish	3	Span. 141 & 142	8	B
French	4	Fren. 141 & 142	8	A
French	3	Fren. 141 & 142	8	B
Language & Comp.	5*	Engl. 131	3	A
Language & Comp.	4*	Engl. 131	3	B

*In addition, the student must achieve a grade of "Satisfactory" on an essay administered and graded by the Galveston College English Department.

Chemistry	4	Chem. 141 & 142	8	A
Chemistry	3	Chem. 141 & 142	8	B
Calculus AB	4	Math 149	4	A
Calculus AB	3	Math 149	4	B
Calculus BC	4	Math 241	4	A
Calculus BC	3	Math 241	4	B
Physics Form B	4	Phys. 241 & 242	8	A
Physics Form B	3	Phys. 241 & 242	8	B

5. Licensed Vocational Nurses and Hospital Corpsmen who meet the admission requirements of the Associate Degree Nursing Program may be eligible for credit by examination in the nursing courses. Specific information is available from the Associate Degree Nursing Office or the Office of the Counselor

HONOR STUDENTS

A President's List is published each semester listing the names of full-time students who achieve a grade point average of 3.5 or better in that semester.

A Dean's List is also published each semester listing the names of full-time students who achieve a grade point average of 3.0 to 3.49 in that semester.

Students taking between 6 and 11 semester credit hours who achieve a grade point average of 3.5 or better, excluding developmental courses and "I" grades, will be eligible for recognition during the Fall and Spring Semesters. An Honors list will not be compiled for summer semesters.

Developmental courses (example: Engl. 031, Bio. 031, Math 042) DO NOT COUNT towards honors. Students on scholastic probation ARE NOT ELIGIBLE for honors.

GRADUATION WITH HONORS LIST

Graduation with Honors List: Students who graduate from Galveston College in an Associate Degree Program with an overall grade point average of 3.0 to 3.49 on all work taken at Galveston College will be graduated with “Honors”. Students achieving an overall grade point average of 3.5 or better on all work taken at Galveston College in an Associate Degree Program will be graduated with “High Honors”. An outstanding graduate from each certificate program may be nominated for special recognition at the completion of the program. Notations of such honors will be made on the student’s permanent record. A student who does not complete the last 18 semester hours at Galveston College is not eligible for “Graduation with Honors” listing.

STUDENT DISCIPLINARY PROCEDURES

All complaints regarding student behavior from whatever source should be addressed to the Dean of Student Services. Any infraction of College rules and policies should be reported if corrective action is to be taken. All complaints must be submitted in writing, and must contain the name of the student or students, persons directly involved, or witnesses to the infraction, the time and place of the infraction, and action, if any, taken to halt the alleged offense.

The Dean of Student Services may: (1) refer the complaint to the Committee on Student Status for appropriate action; (2) discuss the matter with the accused student or students; (3) dismiss the complaint after appropriate notification to all parties involved.

The Committee on Student Status shall be responsible for: (1) full investigation of all problems brought before it by the Dean of Student Services; (2) hearing students accused of infractions of the College rules or policies; (3) recommendations for action to the Dean of Student Services.

Each student accused of an infraction of the rules or policies of the College shall have the right to be heard by the Dean of Student Services or by the Committee on Student Status in the presence of his accusers.

When the Committee on Student Status has recommended, and the Dean of Student Services has determined upon an appropriate course of action, an accused student shall be informed of the proposed course of action and the right to appeal the decision of the Dean of Student Services to the President of the College.

The final authority in the College for the disposition of cases involving student infractions of the rules or the policies of the College resides with the Board of Regents of the College.

SUMMONS TO ADMINISTRATIVE OFFICES

At times it becomes necessary that a student be requested to report to an administrative office for a conference. The summons may be transmitted by letter, by telephone, by notices on bulletin boards, or by other means of communication. A student who receives a summons is expected to report immediately. Failure to heed such summons may make a student liable to suspension.

EVENING DIVISION

The Evening Division of Galveston College is a continuation of the regular day program. All policies and procedures of the day program apply to evening division students. Services available to day students are made available to evening division students.

This catalog applies to all Galveston College students.

DEGREES

Galveston College offers four degree plans: (1) Associate in Arts; (2) Associate in Science; (3) Associate in Applied Science and (4) Associate in Elective Studies. The College also offers two types of certificates: (1) Certificate of Completion (non-degree, adult education and terminal programs) and (2) Certificate of Graduation (non-degree, one year terminal programs; i.e., Vocational Nursing).

All students interested in obtaining a degree from Galveston College should file a degree plan no later than the end of their first year of attendance at Galveston College.

Only those candidates who have fulfilled all scholastic requirements for a degree or certificate and who have met their financial obligations to the College will be recommended for the degree or certificate.

REQUIREMENTS FOR GRADUATION

The requirements of each of the four (4) degree plans offered at Galveston College are described in the following outlines: (sch-semester credit hours)

The last 18 semester credit hours prior to graduation must be completed in residence at Galveston College. Exceptions will be considered by special petition made to the Dean of Student Services. A minimum grade point average of 2.0 ("C") is required on all course work applying toward the degree.

Any variation to a degree program must be approved by the Departmental Chairperson and the appropriate Instructional Vice President.

Developmental courses do not normally apply to degrees.

Associate in Applied Science Degree

English - 6 sch. or 6 sch. of Business Communications
Government 233 - 3 sch.
plus approved occupational program

The Associate in Applied Science Degree is awarded to students who successfully complete an approved curriculum for a two-year occupational program in addition to satisfying the general requirements.

Associate in Elective Studies

English - 6 sch. or 6 sch. of Business Communications
*American History - 6 sch.
Government - 6 sch.
P.E. - 2 sch.
Electives - 40 sch.

Students who successfully complete the above courses will be awarded an Associate in Elective Studies Degree.

*History 233 - History of Texas - may substitute for 3 sch. of American History.

Associate in Arts

(60 semester credit hours or more as required by the specialized program):

English - 6 sch. - composition and rhetoric
English - 6 sch. - literature
American History - 6 sch.
Government - 6 sch.
Foreign Language - 14 sch. and
Natural Science - 16 sch. or 8 sch. and
Mathematics - 6 sch.
Electives - 6-8 sch.
Physical Education Activities - 2 sch. (See notes regarding Physical Education Requirements)

Associate in Science

(60 semester credit hours or more as required by the specialized program):

English - 6 sch. - composition and rhetoric
6 sch. - literature

Engineering majors - 6 sch. - composition and rhetoric
3 sch. - literature
American History - 6 sch. & 3 sch. of speech or technical writing as
required by senior colleges
Government - 6 sch.
Natural Science - 8 sch.
Mathematics - 6 sch.
Physical Education Activities - 2 sch. (See Note 1 and Note 2)
Elective - 24 sch.

NOTES REGARDING PHYSICAL EDUCATION REQUIREMENTS:

Note 1: Students are exempt from the physical education requirements under the following conditions:

1. If the student is a veteran of the armed services.
2. If the student is 22 years of age or older at the time of enrollment.
3. If the student is physically handicapped.
4. If the student is enrolled in a specialized program with no physical education requirement.
5. If the student completes all other requirements for graduation by attending evening classes.

Note 2: Excess of four (4) semester hours of physical education activity courses counting toward a degree are limited to physical education majors or minors. Exceptions will be considered by special petition made to the Dean of Student Services.

TRANSFER OF CREDIT

The successful transfer of college credit to another institution of higher education depends largely upon proper course selection by the student and the quality of work done by the student.

Students who are planning to transfer to a senior college or university are encouraged to select a field of study and a specific receiving college or university no later than the end of their first year of attendance.

Galveston College will accept for transfer credit all work for which the student has received a passing grade and which is applicable to the student's educational program. All transfer courses of unusual nature will be presented to the appropriate Departmental Chairperson for evaluation before being credited toward a degree.

Although professional staff members are available to help students in these matters, it is the responsibility of the student to formulate scholastic objectives and to know the requirements for fulfilling those objectives.

TRANSCRIPTS

All requests for transcripts must be made in writing by the student either by completing the request form in the Registrar's office or by letter. No requests can be taken over the telephone. The first transcript is furnished free of charge. Additional copies thereafter may be obtained at a cost of \$2.00 each.

Students with an outstanding debt to Galveston College will not be issued a transcript until the indebtedness is cleared by the Business Office.

CHANGE OF ADDRESS

Any student who changes their mailing address and/or place of residence must notify the Registrar's office as soon as possible.

CHANGE OF NAME

The listing of your name at Galveston College is originally recorded from your admission application. A legal document confirming change of name must be submitted to the Office of the Registrar before a change will be affected.

GRADUATION PROCEDURES

The procedures for graduation are enumerated below:

1. File an application for graduation form with a Counselor. This is NOT the same as filing a degree plan.
2. The application of FALL GRADUATES must be filed by November 1st of the fall semester immediately prior to graduation. The application for SPRING GRADUATES must be filed by March 1st of the spring semester immediately prior to graduation. NOTE: a late fee of \$10.00 will be charged to students who do not file by the deadline.
3. Students may apply for graduation under existing catalog requirements or under the catalog requirements in effect when entering Galveston College (exception: A.D.N. students).
4. All GRADUATING STUDENTS MUST ATTEND GRADUATION EXERCISES unless specifically excused IN WRITING by the Dean of Student Services.
5. A graduation fee of \$10.00 will be charged to cover degree expenses of graduation exercises and expenses of reception. An additional late fee of \$10.00 will be charged to students who do not file by the deadline.
6. Cap and gown, class rings, nursing pins, invitations, etc. will be ordered through the Bookstore.
7. Eligible nursing students will pay State Board Examining fee to the Nursing Office. There is also a Nursing Certification fee of \$10.00.

8. Any student who does not graduate because of academic deficiencies must follow steps 1-7 when they do become eligible.

Associate Degree Nursing Students must apply under existing catalog requirements or under catalog requirements in effect when *officially accepted and enrolled* in the ADN program.

**BRAZOSPORT-GALVESTON COLLEGE COOPERATIVE
ASSOCIATE DEGREE NURSING PROGRAM**

1. Students may file at either college, but not both. It is customary for Brazosport students to file at Brazosport College.
2. Galveston College candidates must meet requirements as outlined in Galveston College catalog. Brazosport College candidates must meet requirements as outlined in Brazosport College catalog. *Note:* The last 18 semester hours required to be completed at Galveston College DOES NOT apply to the Cooperative students. Brazosport College candidates will complete all steps except Number 8 at Brazosport campus.
3. Nursing Certification Fee - \$10.00.

EDUCATIONAL PROGRAMS

Galveston College involves itself in the continuing development of a wide range of curricular offerings suitable to the needs and interests of its citizenry.

The university parallel program, the occupational education program, and the continuing education program are the three basic types of educational programs presently offered by the College.

THE UNIVERSITY PARALLEL PROGRAM

The primary purpose of the university parallel program is to provide instruction appropriate to the needs of students who wish to continue their education in senior colleges or universities.

The development of the university parallel curricula is guided by the recommendations of the Coordinating Board, Texas College and University System. These guidelines are results of the efforts of this Board to develop a "Basic core of general academic courses which, when offered at a junior college during the first two years of collegiate study, shall be freely transferable among all public institutions of higher education in Texas who (sic) are members of recognized accrediting agencies on the same basis as if the work had been taken at the receiving institution."

Course credits which are "freely transferable" must apply toward degree requirements at the senior colleges. Inasmuch as degree requirements vary widely for different majors, core curricula must also vary according to majors. Because of the importance of the student's major, the student is required to declare a major field no later than the end of the first year of attendance at the junior college and upon request for admission by transfer to a senior institution.

DEPARTMENTAL INFORMATION

BIOLOGICAL SCIENCES

The Department of Biological Sciences offers transferable science courses for both science and non-science majors. General Biology, Microbiology and Anatomy and Physiology are designed for science majors and Introduction to Natural Sciences is specifically designed to meet the science requirements of non-science majors.

Introduction to Biology will strengthen the science background of students who are interested in nursing or one of the paramedical programs. It is especially recommended for those students who do not have a high school science background.

There are no locally prepared examinations for credit by examination. A person who believes he/she is qualified by experience or previous training may establish credit for Biology 141 and 142 by taking the College Entrance Examination Board Advanced Placement Program Examinations.

COOPERATIVE EDUCATION

Cooperative Education is a plan of education whereby the student blends theory and practice by working on training assignments in an area of professional interest.

Cooperative Education has the general goals of providing students relevant experiences that will blend “real world” application with classroom theory. This goal can be applied to students who are currently situated in jobs that are related to their majors. To gain a broader understanding of the “world of work” and to enrich a person’s present job situation are two of the broad goals of Cooperative Education.

DEVELOPMENTAL STUDIES

The Developmental Studies Department specifically offers courses in reading skills, reading improvement, and speed reading. The basic objective is to produce competency in reading and communication skills necessary to effectively fulfill the reading tasks required in college level courses.

Students who score 12 or below on the ACT Social Science Sub-test will be required to take the *Nelson Denny Reading Test* prior to the first class day of the semester. If the test score falls below the 50th percentile, 11th grade proficiency level as determined by the national norms on standardized diagnostic instruments, the student will be scheduled into reading classes in appropriate levels as indicated by test scores. Enrollment in the reading classes will continue and a grade of “SP” (Satisfactory Progress) will be recorded until 11th grade proficiency level is achieved.

Students whose test scores fall below the 15th percentile will be scheduled in the Reading Skills class, prior to enrollment in Reading Improvement.

Developmental courses in writing, study skills, mathematics, biology and physical science are offered through the cooperative efforts of the faculty in various departments. These courses are designed to provide skills necessary to improve performance in academic and career programs.

ENGLISH AND FOREIGN LANGUAGES

Students who score 15 or less on the ACT English sub-test will be required to take English 031. However, students in this category may request a Galveston College departmental examination at least 2 weeks

prior to registration and upon meeting departmental standards, the student may enter English 131.

International students with a TOEFL score of 550 may enroll in English 131.

FINE ARTS

The department of Fine Arts offers transferable courses in Art and Music for students majoring and minoring in these areas.

An art or music student seeking a bachelor's degree is encouraged to complete two years at Galveston College and can be assured of individual attention provided in well-equipped facilities.

Credit courses in art are offered both at the Fort Crockett Campus and at Shearn Moody Plaza and include art history, drawing, design, painting, sculpture, ceramics, metals, printmaking and photography.

Credit courses in music are taught at the Fort Crockett Campus and include private instruction in guitar, piano, and voice. Organ lessons are taught at Trinity Episcopal Church.

Vocal and instrumental ensembles are offered both during the day and in the evening.

Qualified students majoring and minoring in music are eligible for scholarships awarded through the Music Department.

MATHEMATICS AND PHYSICAL SCIENCES

The Department of Mathematics and Physical Sciences is made up of four basic fields, Mathematics, Chemistry, Physics, and Computer Science.

The department offers educational opportunities of high quality and diversity to any student who likes to avail these opportunities with seriousness, self discipline, desire, energy and motivation. The department is ready to provide the very best it has to offer a student with promise to work hard and leave no stone unturned in the pursuit of his objective.

The department is proud to have some of the best teachers and scientific laboratory materials which are necessary to maintain excellence in education. Innovative teaching methods and materials are used as aids when necessary. Classes are relatively small and friendly. Personal contact is maintained with the student.

In accordance with the above stated philosophy the department is dedicated to offer the following services:

1. University parallel courses in Mathematics, Chemistry, Computer Science and Physics transferable to other schools and also leading to an associate degree.
2. Courses are offered in Mathematics, Physics, Chemistry, Computer Science and Physical Science which serve a wide spectrum of scientific, technological and other fields such as Engineering, Drafting Technology, Computer Sciences, Electronics, Biological Sciences, Marine Sciences, Nursing, Pre-dental, Pre-optometry, Pre-medical, Allied Health Sciences, Economics, Business Administration and Teacher Education to name a few.
3. Since some of the students are not adequately prepared for college level work remedial courses in Mathematics and Physical Sciences are offered to remove deficiencies.

PHYSICAL EDUCATION AND RECREATION

The Department of Physical Education and Recreation offers transferable courses for all majors. In addition to fulfilling the physical education needs of the transfer student, instruction is provided in a wide range of leisure time activities, including sailing, scuba diving, tennis and social dance. The Physical Education and Recreation Department provides for varsity competition in both tennis and golf. Competition also takes place on an extramural and intramural level.

SOCIAL AND BEHAVIORAL SCIENCES

The Social and Behavioral Sciences Department offers introductory survey courses in the disciplines of anthropology, geography, government, history, psychology, and sociology. In addition, it offers elective courses to meet the specialized needs of liberal arts, education, and health careers majors.

SPEECH COMMUNICATIONS, TELEVISION AND THEATRE

The Department of Speech Communications, Television and Theatre offers the student pursuing the associate degree or a bachelor's degree in Speech or Theatre the unique opportunity to participate in certified credit courses, as well as professional theatrical productions through the Galveston College Community Theatre Program.

The program utilizes the skills of degreed college instructors and talented community volunteers, as well as professional actors and technicians, to provide a working theatre experience for the student.

This "working" theatre, the Upper Deck, is housed in the new Fort Crockett complex and features the latest innovations in theatrical equipment. The intimate arena stage will seat one hundred and fifty people.

The speech student seeking a four year college scholarship is encouraged to look into the Galveston College program. Here you will be provided the opportunity to compete with major universities on the “tournament circuit” and get college credit at the same time. Consequently, four year schools get a live audition of your talents.

At Galveston College, students will receive professional instruction as well as practical experience in the first two years of their education. Generally, in a four year university this “stage experience” will come during the last two years.

The Speech Communications student interested in the area of television will not only participate in approved credit courses, but will work in a television studio laboratory that reflects the current “state of the art”. Experience will be gained by actually participating in locally produced programming.

Qualified students in both speech and drama are eligible for scholarships awarded through the Department of Speech Communications and Theatre.

SUGGESTED CURRICULA

The programs listed in this catalog are suggested guidelines only. In most instances, alternatives are available for the student’s consideration. The final responsibility for proper course selection rests with the student. College Counselors and Faculty Advisors are available to the student who needs professional assistance in program planning.

These programs are designed to lead to an Associate Degree and should be regarded as guidelines to assist a student in planning his/her individual course of study.

Each student should study the curriculum carefully and should schedule a counseling interview to determine required course work in the curriculum of the school to which he/she desires to transfer for upper division work. It is suggested that each student consult with a Counselor or a Faculty Advisor before each registration period to evaluate his/her progress toward the completion of an Associate Degree or the completion of the required work for transfer to the upper division of a senior institution.

ART

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Art 131	3	Art 132	3
Art 1303	3	Art 1304	3
Science, Math or Foreign Language.....	3 or 4	Science, Math or Foreign Language.....	3 or 4
English 131	3	English 132	3
History 131.....	3	History 132 or 233	3
P E (Activity)	1	P E (Activity)	1
	<hr style="width: 50px; margin: 0 auto;"/>		<hr style="width: 50px; margin: 0 auto;"/>
	16 or 17		16 or 17

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Art 135	3	Art 136	3
Art 235	3	Art 236	3
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
Speech 131 or 136	3	*Elective.....	3
	<hr style="width: 50px; margin: 0 auto;"/>		<hr style="width: 50px; margin: 0 auto;"/>
	15		15

Total Semester Credit Hours in Program 62 or 64

*See Counselor for course selection.





BIOLOGY +

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 141	4	Biology 142	4
Mathematics 141	4	Mathematics 143	4
English 131	3	English 132	3
Chemistry 141	4	Chemistry 142	4
P E (Activity).....	1	P E (Activity).....	1
	16		16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Physics 241	4	Physics 242	4
Chemistry 243	4	Chemistry 244	4
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
History 131	3	History 132 or 233	3
	17		17

Total Semester Credit Hours in Program

66

+ See Counselor for requirements for an Associate in Arts Degree.

BUSINESS ADMINISTRATION

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Psychology 131	3	English 132	3
English 131	3	History 132 or 233	3
History 131.....	3	Mathematics 135.....	3
+ Mathematics 134.....	3	Biology 142 or 146	
Biology 141 or 145		or Chemistry 142	4
or Chemistry 141	4	Sociology 131.....	3
P E (Activity).....	1	P E (Activity).....	1
	—		—
	17		17

+ The University of Houston at Clear Lake City will accept Math 135 or 141.

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Accounting 241	4	Accounting 242	4
Economics 231.....	3	Speech 135 or 136.....	3
English 231, 234, or 236	3	*English 232, 235 or 237	3
Government 231	3	Economics 232.....	3
Computer Science 131	3	Government 233	3
	—		—
	16		16

Total Semester Credit Hours in Program 66

*Colleges requiring only 3 hrs. sophomore literature — it is suggested the student substitute with Business Administration 131 or 231.

CHEMISTRY, PHYSICS AND/OR MATHEMATICS

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131.....	3	History 132 or 233	3
Mathematics 138.....	3	Mathematics 149.....	4
Chemistry 141	4	Chemistry 142.....	4
P E (Activity).....	1	Physics 243.....	4
	—	P E (Activity).....	1
	14		—
			19



SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
Mathematics 241	4	Mathematics 242	4
Physics 244	4	Physics 245	4
Chemistry 243 or Advanced		Chemistry 244 or Advanced	
Mathematics	3 or 4	Mathematics	3 or 4
	17 or 18		17 or 18
Total Semester Credit Hours in Program		67 or 69	

DRAMA

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132 or 233	3
Drama 130	3	Drama 131	3
Drama 136	3	Drama 137	3
Art 1303	3	Mathematics 141	4
Drama 111-112	1	Drama 111 or 112	1
P E (Activity)	1	P E (Activity)	1
	17		18

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Speech 136	3	Speech 134	3
Government 231	3	Government 233	3
Biology 145	4	Biology 146	4
Drama 236	3	Drama 237	3
Drama 238	3	T.V. 131	3
Drama 211	1	Drama 212	1
	—		—
	17		17

Total Semester Credit Hours in Program 69

*For those students planning to teach, please see a counselor for additional information concerning the speech and drama curriculum guide.

LIBERAL ARTS

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132 or 233	3
Biology 141 or 145	4	Biology 142 or 146	4
*Foreign Language	4	*Foreign Language	4
*Elective	3	*Elective	3
P E (Activity)	1	P E (Activity)	1
	—		—
	18		18

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
*Foreign Language	4	*Foreign Language	4
*Fine Arts	3	*Fine Arts	3
*Physical Sciences or Math	3 or 4	*Physical Sciences or Math	3 or 4
	—		—
	16 or 17		16 or 17

Total Semester Credit Hours in Program 68 or 70

*See Counselor for course selection.



MUSIC

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132 or 233	3
Music 141	4	Music 142	4
Music 231	3	Music 232	3
*Music (Applied Concentration)	2	*Music (Applied Concentration)	2
**Music (Applied Secondary)	1	**Music (Applied Secondary)	1
***Music (Ensemble)	1	***Music (Ensemble)	1
P E (Activity)	1	P E (Activity)	1
	—		—
	18		18

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
Math or Foreign Language	3 or 4	Math or Foreign Language	3 or 4
Music 241	4	Music 242	4
*Music (Applied Concentration)	2	*Music (Applied Concentration)	2
**Music (Applied Secondary)	1	**Music (Applied Secondary)	1
***Music (Ensemble)	1	***Music (Ensemble)	1
P E (Activity)	1	P E (Activity)	1
<hr style="width: 20%; margin: auto;"/>		<hr style="width: 20%; margin: auto;"/>	
18 or 19		18 or 19	
Total Semester Credit Hours in Program		72 or 74	

*Major Applied instrument or voice
 **A different applied instrument or voice
 ***Music majors must take choir, instrumental ensemble or opera workshop each semester.



PHYSICAL EDUCATION

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 143	4	Biology 144	4
English 131	3	English 132	3
History 131.....	3	History 132 or 233	3
Speech 131.....	3	*Mathematics	3 or 4
P E 131.....	3	Psychology 131	3
P E (Activity).....	1	P E (Activity).....	1
	—		—
	17		17 or 18

*See Counselor for course selection.

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
*Mathematics	3 or 4	P E 233.....	3
P E 232	3	*Elective.....	3
*Elective.....	3	P E (Activity).....	1
P E (Activity).....	1	P E (Activity).....	1
	—		—
	16 or 17		14

Total Semester Credit Hours in Program 64 or 66

*See Counselor for course selection.

PRE-COMPUTER SCIENCE

(Systems Science Option)

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131.....	3	History 132.....	3
Mathematics 149	4	Mathematics 241.....	4
Computer Science 131	3	Computer Science 141	4
Physics 243	4	Physics 244.....	4
P E (Activity).....	1	P E (Activity).....	1
	—		—
	18		19

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
Mathematics 242	4	Computer Science 243	4
Physics 245	4	Electives	3
Computer Science 241	4	Electives	3
	—		—
	18		16
Total Semester Credit Hours in Program			71

*See a counselor for requirements for transferability to specific college or university.

PRE-DENTAL

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132 or 233	3
Mathematics 138	3	Mathematics 149	4
Biology 141	4	Biology 142	4
Chemistry 141	4	Chemistry 142	4
P E (Activity)	1	P E (Activity)	1
	—		—
	18		19

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
Physics 241	4	Physics 242	4
Biology 245	4	Sociology 131	3
	—	Speech 131	3
	14		—
			16
Total Semester Credit Hours in Program			67

PRE-ELEMENTARY EDUCATION AND/OR PRE-SPECIAL EDUCATION

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132 or 233	3
*Natural Science	4	*Natural Science	4
Psychology 131	3	Sociology 131	3
Music 1302	3	Speech 131	3
P E (Activity)	1	P E (Activity)	1
	—		—
	17		17

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
Mathematics 233	3	Mathematics 234	3
Geography 231	3	*Elective	3
*Elective	3	*Elective	3
	—		—
	15		15

Total Semester Credit Hours in Program 64

*See Counselor for course selection

PRE-SECONDARY EDUCATION

Students should schedule a counseling interview to determine the required course work in the curriculum of the school to which they desire to transfer for upper division work.

PRE-ENGINEERING

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 141	4	Chemistry 142	4
English 131	3	English 132	3
Engineering 131	3	Physics 243	4
Computer Science 131	3	Mathematics 149	4
Mathematics 138	3	Computer Science 241	4
P E (Activity)	1	P E (Activity)	1
	—		—
	17		20

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Physics 244	4	Physics 245	4
Government 231	3	Government 233	3
Mathematics 241	4	Mathematics 242	4
English 231, 234, or 236	3	History 132 or 233	3
History 131	3	Speech 136	3
	—		—
	17		17
Total Semester Credit Hours in Program			71

PRE-HEALTH CARE SCIENCES (PRE-PHYSICIAN'S ASSISTANT)

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132 or 233	3
Biology 141	4	Biology 142	4
Psychology 131	3	*Psychology	3
Sociology 131	3	*Sociology	3
P E (Activity)	1	P E (Activity)	1
	—		—
	17		17

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
Chemistry 141	4	Chemistry 142	4
*Elective	3	*Elective	3
*Elective	3	*Elective	3
	—		—
	16		16
Total Semester Credit Hours in Program			66

*See Counselor for course selection.

PRE-LAW

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132 or 233	3
Biology 145	4	Biology 146	4
*Mathematics	3 or 4	*Mathematics	3 or 4
Psychology 131	3	Sociology 131	3
P E (Activity).....	1	P E (Activity).....	1
	<hr/>		<hr/>
	17 or 18		17 or 18

*See Counselor for course selection.

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
Accounting 241	4	Accounting 242	4
Economics 231.....	3	Economics 232.....	3
Speech 131	3	Philosophy 131.....	3
	<hr/>		<hr/>
	16		16
Total Semester Credit Hours in Program		66 or 68	

PRE-MEDICAL TECHNOLOGY

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
Mathematics 141	4	Mathematics 143.....	4
Biology 141	4	Biology 142	4
Chemistry 141	4	Chemistry 142	4
History 131.....	3	History 132.....	3
	<hr/>		<hr/>
	18		18

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231, 234 or 236	3	English 232, 235 or 237	3
Chemistry 243	4	Chemistry 244	4
Government 231	3	Government 233	3
P E (Activity)	1	P E (Activity)	1
Electives	6	Electives	3
	—		—
	17		14
Total Semester Credit Hours in Program			67

PRE-MEDICAL RECORD ADMINISTRATION +

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132 or 233	3
Biology 141	4	Biology 143	4
Mathematics 141	4	Computer Science 131	3
Management 131	3	P E (Activity)	1
P E (Activity)	1		—
	—		14
	18		

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 142 or 144	4	Government 233	3
English 231	3	English 233 or Speech	3
Government 231	3	Speech 131	3
Sociology 131	3	Psychology 234	3
Psychology 131	3	Chemistry 141 or 143	4
	—		—
	16		16
Total Semester Credit Hours in Program			64

+ Must be able to type 40 wpm.

PRE-MEDICINE

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
Biology 141	4	Biology 142	4
Chemistry 141	4	Chemistry 142	4
Mathematics 138	3	Mathematics 149	4
P E (Activity)	1	P E (Activity)	1
	—		—
	15		16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 243	4	Chemistry 244	4
Physics 241	4	Physics 242	4
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
History 131	3	History 132 or 233	3
	—		—
	17		17

Total Semester Credit Hours in Program 65

PRE-B.S. IN NURSING

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 143	4	Biology 144	4
English 131	3	English 132	3
History 131	3	History 132	3
Psychology 131	3	Psychology 231	3
*Elective	3	Biology 135	3
	—		—
	16		16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 245	4	Government 233	3
Sociology 131	3	Chemistry 142 or 144	4
Psychology 234	3	*Elective	3

Government 231	3	*Elective.	3
Chemistry 141 or 143	4	*Elective.	3
	—		—
	17		16
Total Semester Credit Hours in Program		65	

*See Counselor for course selection.

PRE-OCEANOGRAPHIC TECHNOLOGY

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 141	4	Chemistry 142	4
Biology 141	4	Biology 142	4
English 131	3	English 132	3
Mathematics 141	4	Mathematics 143	4
P E 2110	1	P E 2111	1
	—		—
	16		16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Physics 241	4	Physics 242	4
History 131	3	History 132 or 233	3
Mathematics 138	3	Mathematics 149	4
English 231, 234 or 236	3	English 232, 235 or 237	3
Speech 131	3	Engineering 131	3
	—		—
	16		17

Total Semester Credit Hours in Program 65

PRE-OCCUPATIONAL THERAPY

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132 or 233	3
Biology 141	4	Biology 142	4
Mathematics 141	4	**Psychology	3
Psychology 131	3	Sociology 131	3
P E (Activity)	1	P E (Activity)	1
	—		—
	18		18

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 231	3	English 232	3
Government 231	3	Government 233	3
Chemistry 141	4	Chemistry 142	4
*Sociology	3	*Elective	3
Biology 143	4	*Elective (Bio. 144 recommended)	4
	—		—
	17		69
Total Semester Credit Hours in Program			69

*See Counselor for course selection.

**Psychology 231 not acceptable.

PRE-PHARMACY +

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 141	4	Biology 142	4
English 131	3	English 132	3
*Mathematics 138	3	*Mathematics 149	4
Chemistry 141	4	Chemistry 142	4
History 131	3	History 132 or 233	3
P E (Activity)	1	P E (Activity)	1
	—		—
	18		19

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 243	4	Chemistry 244	4
Biology 245	4	Physics 242	4
Physics 241	4	Economics 231	3
Government 231	3	Government 233	3
English 231, 234 or 236	3	English 232, 235 or 237	3
	—		—
	18		17

Total Semester Credit Hours in Program

72

+ Students should take typewriting in high school; otherwise, they should schedule it during their freshman year. Due to heavy course load required in the Pre-Pharmacy program, most students should plan to take some of their course work during the summer sessions. Consult with a counselor for recommendations.

*See Counselor for course selection.

PRE-PHYSICAL THERAPY

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
Biology 141	4	Biology 142	4
Chemistry 141	4	Chemistry 142	4
History 131	3	History 132 or 233	3
Psychology 131	3	Sociology 131	3
P E (Activity)	1	P E (Activity)	1
	—		—
	18		18

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Elective*	3	Psychology 234	3
Physics 241	4	Physics 242	4
Biology 143	4	Biology 144	4
Government 231	3	Government 233	3
Speech 131 or 135	3	Elective (Chem 243 or 144 recommended)	4
	—		—
	17		18

Total Semester Credit Hours in Program 71

*Biology 245 or Mathematics 141 recommended.

PRE-PHYSICIAN'S ASSISTANT

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132	3
Biology 141	4	Biology 142	4
Psychology 131	3	Psychology	3
Sociology 131	3	Sociology	3
P.E. (Activity)	1	P.E. (Activity)	1
	—		—
	17		17

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
*English 231	3	*English 232	3
Government 231	3	Government 233	3
Chemistry 141	4	Chemistry 142	4
Speech 131 or 135	3	**Elective	3
Biology 143	3	**Elective	3
	—		—
	16		16

Total Semester Credit Hours in Program 66

*Spanish may be substituted for 3 hours of literature, and is strongly recommended by UT School of Allied Health Sciences at Galveston.

**Electives should be in the areas of health-related sciences, such as biology, psychology, sociology, associated health occupations, or nursing.

PRE-TELEVISION

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Television 131	3	Television 134	3
English 131	3	English 132	3
Speech 131	3	Television 143	4
History 131	3	History 132	3
Speech 136	3	Drama 136	3
Physical Education	1	Rehearsal & Performance	1
	—		—
	16		18

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Television 144	4	Television 232	3
Television 231	3	English 232	3
English 231	3	Government 233	3
Government 231	3	Speech 134	3
Mathematics	4	Mathematics	4
	—		—
	17		16

Total Semester Credit Hours 67

PRE-VETERINARY MEDICINE

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Biology 141	4	Biology 142	4
Chemistry 141	4	Chemistry 142	4
English 131	3	English 132	3
Mathematics 138	3	Mathematics 149	4
P.E. (Activity)	1	P.E. (Activity)	1
	—		—
	15		16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Chemistry 243	4	Chemistry 244	4
Physics 241	4	Physics 242	4
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 233	3
History 131	3	History 132 or 233	3
	—		—
	17		17

Total Semester Credit Hours in Program 65

SPEECH COMMUNICATIONS

FIRST YEAR

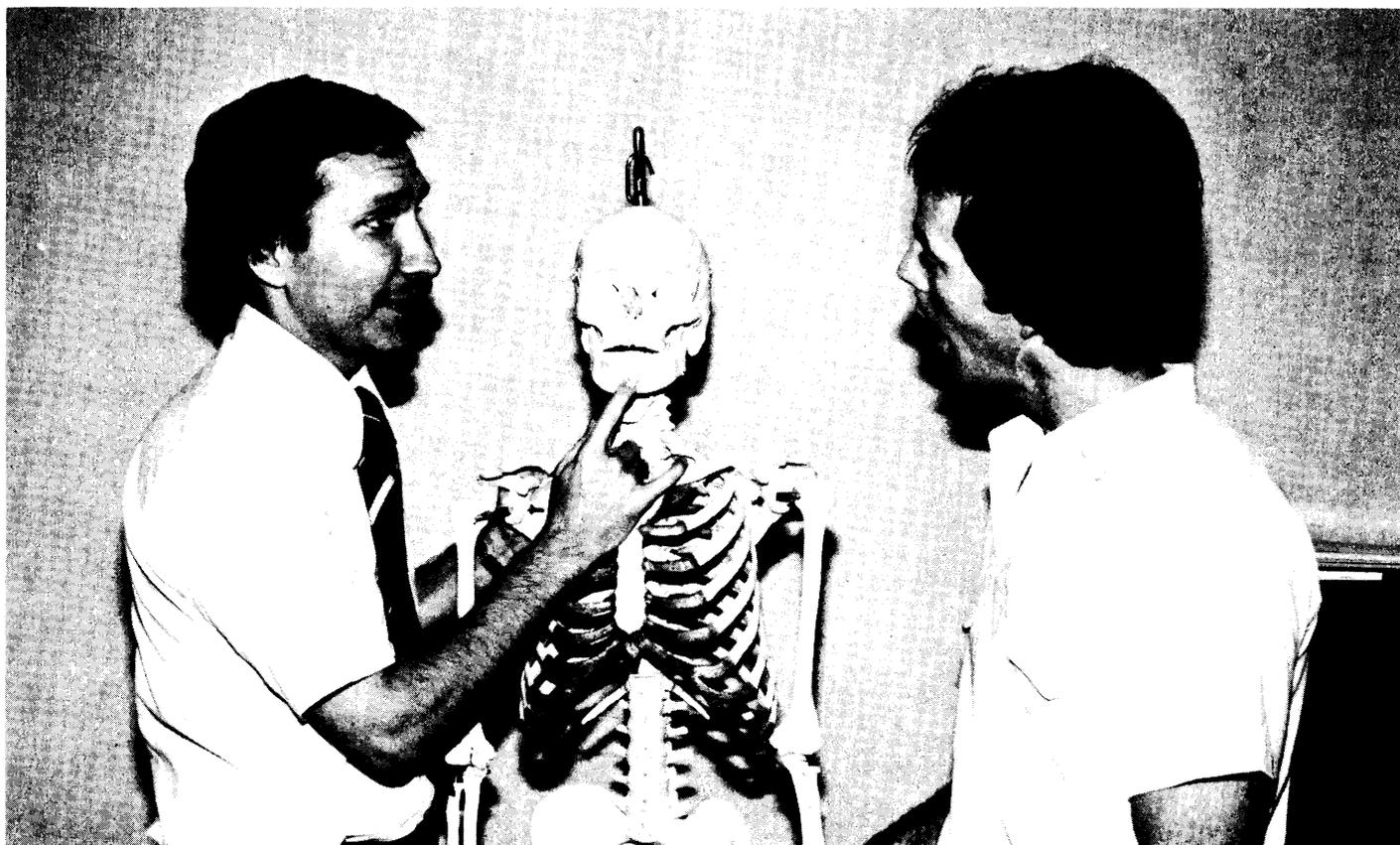
First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
History 131	3	History 132 or 233	3
Speech 131	3	Speech 136	3
Biology 145	4	Biology 146	4
Mathematics 141	4	Psychology 131	3
P E (Activity)	1	R & P or Forensics	1
	—	P E (Activity)	1
	18		—
			18

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 234, 236 or 237	3	Speech 132	3
Government 231	3	Government 233	3
Speech 135	3	Speech 238	3
Sociology 131	3	Drama 130	3
Spanish 141	4	Spanish 142	4
R & P or Forensics	1	R & P or Forensics	1
	—		—
	17		17
Total Semester Credit Hours in Program			70

*For those students planning to teach, please see a counselor for additional information concerning the speech and drama curriculum guide.





THE OCCUPATIONAL EDUCATION PROGRAM

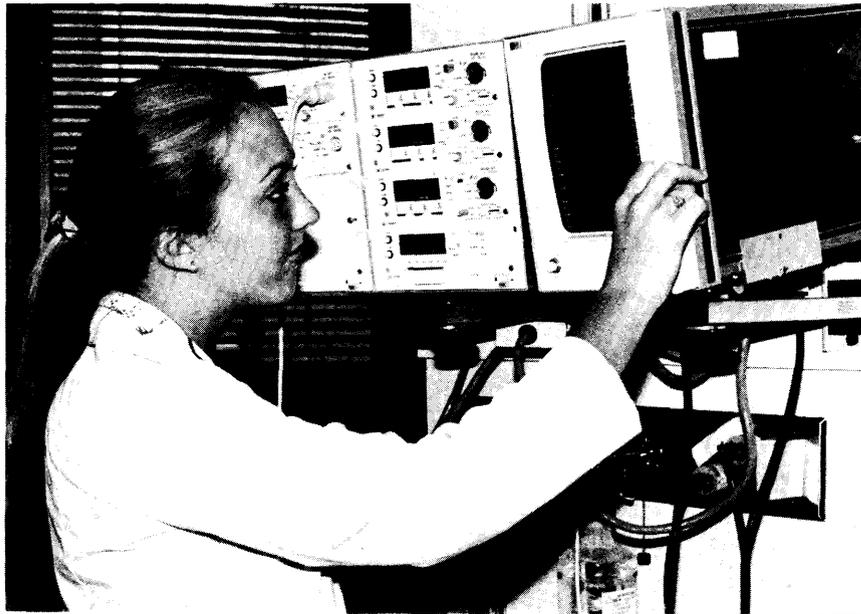
The primary purpose of the Occupational Education programs are to prepare students for entry into, and advancement in, semi-professional careers and do not require four years of college preparation. The programs are not planned with transfer credit as the desired objective; however, many colleges and universities will accept all or part of credits earned in certain Associate and Applied Science degree programs.

ASSOCIATE IN APPLIED SCIENCE DEGREE PROGRAMS

The following curricula are designed to lead to an Associate in Applied Science Degree.

Because of the strict requirements for licensure or certification in many professions, these curricula are restrictive in nature and are designed to facilitate a rapid entry into a specialized field of employment.

Students are cautioned to review carefully their program progress with the College counselors and the Departmental Chairperson of the particular program in which they are studying. Departures from prescribed curricula must be approved by the Departmental Chairperson and the Vice President for Occupational Programs and may lead to an extension of time required to complete prescribed requirements.



ASSOCIATE DEGREE NURSING

*APPROVED BY THE BOARD OF NURSE EXAMINERS FOR THE
STATE OF TEXAS*

*ACCREDITED BY THE NATIONAL LEAGUE
FOR NURSING*

Nursing is a service to individuals and to families; therefore, to society. The individual nurse has scientifically based competencies and skills to help people, sick or well, cope with their health needs. Nursing is practiced in conjunction with other disciplines of the health care team.

The Associate Degree Nurse of Galveston College is prepared to provide direct nursing care in a variety of settings to patients/clients while maintaining the integrity of said patient/client. The graduate, using the problem-solving process, applies knowledge from biophysical, social and nursing sciences in planning and effecting such nursing care. The graduate functions best in a nursing care setting which includes professional nurse supervision and consultation.

The graduate is not prepared to assume leadership positions such as team leader, charge nurse, head nurse or supervisor. Certain selected graduates given a period of adequate practice and additional formal or informal education may have the potential for such leadership positions.

The nursing curriculum is organized around four basic concepts or ideas:

1. Man as a bio-psycho-social being
2. Basic needs of man as patient/client
3. Health-illness as a dynamic state
4. Nursing process as deliberative action

Students are scheduled to begin their program in the summer and must complete two years of study to meet requirements to take the National Council Licensure Examination — Registered Nurse. Previous college credits may apply to the two year program.

BRAZOSPORT COOPERATIVE

Galveston College offers a nursing major in cooperation with Brazosport College. All general education courses and selected nursing courses are offered on the Brazosport College campus. Nursing courses in the sophomore year are offered on the Galveston College campus. The Community Hospital of Brazosport is used as a clinical facility. For course descriptions of the general education courses, see the Brazosport College Catalog. For information concerning enrollment, contact the Office of Admissions at Brazosport College.

COOPERATING CLINICAL FACILITIES

St. Mary's Hospital	Galveston, Texas
The University of Texas Medical Branch Hospitals	Galveston, Texas
Shriner's Burns Institute	Galveston, Texas

ASSOCIATE DEGREE NURSING CURRICULUM

Academic Progression Requirements

All nursing and science courses must be completed in sequence. Students may repeat one science course and one nursing course. Additional repeats require special permission. Courses dropped after the 12th class day will be considered a *course repeat*.

FIRST YEAR

Summer Session

Engl. 131	Basic Composition
Psyc. 131	Introduction to Psychology

Fall Semester

Nurs. 161	Introduction to Nursing
Biol. 143	Anatomy and Physiology
Chem. 143	Fundamentals of Chemistry
Psyc. 231	Child Growth and Development

Spring Semester

Nurs. 162	Nursing Care of Adults with Medical/Surgical Problems I
Biol. 144	Anatomy and Physiology
Biol. 245	Microbiology
Soc. 131	Introduction to Sociology

SECOND YEAR

Summer Session

Govt. 233	Survey of American and Texas Government and Constitution
Engl. 132	Composition and Rhetoric
Nurs. 153	Nursing Care of Patients with Impaired Interpersonal Relationships

Fall Semester

Nurs. 261	Nursing Care of Adults with Medical/Surgical Problems II
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Nurs. 252 Nursing Care of Adults with Medical/Surgical Problems III
 Nurs. 213 Nursing Seminar

Spring Semester

Nurs. 264 Nursing Care of the Child Bearing Family
 Nurs. 265 Nursing Care of Children

*Students without previous course work in chemistry will be required to take a preparatory course.

RADIOLOGIC HEALTH SCIENCES

Radiologic Health Science courses are part of the interdisciplinary curriculum designed to provide educational experiences which are relevant to the radiation therapeutic and radiology imaging modalities.

The Galveston College Radiologic Health Science Programs of study are in Nuclear Medicine, Radiation Therapy and Radiography.

Students interest in Radiologic Health Science courses must meet individual program's entry requirements.

NUCLEAR MEDICINE TECHNOLOGY

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
RHS 122	2	NMT 111	1
RHS 123	2	NMT 131	3
RHS 131	3	RHS 134	3
RHS 132	3	RHS 135	3
RHS 133	3	NMT 141	4
	—		—
	13		14

Summer — 12 Weeks	Cr. Hrs.
NMT 112	1
NMT 121	2
NMT 132	3
RHS 136	3
Government 233	3
	—
	12

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
NMT 231	3	RHS 231	3
NMT 261	6	NMT 232	3
	—	NMT 262	6
	12		—
			15

Summer — 12 Weeks	Cr. Hrs.
RHS 221	2
RHS 232	3
NMT 233	3
NMT 243	4
	—
	12



RADIATION THERAPY TECHNOLOGIST

Radiologic technologist is the general term applied to allied health professionals who assist the physician in utilizing ionizing radiation for the imaging, diagnosis and treatment of disease.

Four distinct speciality areas, each with its own program and accreditation criteria, are grouped in this profession. Educational standards and requirements in this speciality is established and maintained in collaboration with the AMA and nationally recognized professional organizations.

The Radiation Therapy Technologist assists in the treatment of patients with malignant diseases. Radiation is directed at the target area in strictly controlled circumstances to cure or palliate the disease. The technologist positions the patient for treatment, performs mathematical calculations for radiation dosage, and operates a variety of radiation producing equipment.

Because of more sustained contact with the patient and his family, the Radiation Therapy Technologist has considerable responsibility in patient nursing care and dietary counseling as well as the psychological aspect of dealing with the patient and his family. There is a tremendous nationwide demand for skilled registered Radiation Therapy Technologist. As part of a team which includes physicians, nurses, physicists and research scientists, Radiation Therapy Technologists play a vital role in a profession dedicated to the reduction of human suffering.

RADIATION THERAPY TECHNOLOGY

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
English 131	3	English 132	3
RHS 123	2	RHS 134	3
RHS 131	3	RHS135	3
RHS 132	3	RTT 152	5
RHS 133	3		—
	—		14
	14		
Summer — 12 Weeks	Cr. Hrs.		
RHS 136	3		
RTT 153	5		
RHS 232	3		
	—		
	11		

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
RTT 221.....	2	RTT 222.....	2
RTT 231.....	3	RHS 231.....	3
RTT 233.....	3	RTT 232.....	3
RTT 261.....	6	RTT 262.....	6
	—		—
	14		14
 Summer — 12 Weeks			
	Cr. Hrs.		
Government 233.....	3		
RTT 263.....	6		
	—		
	9		
Total Semester Credit Hours in Program			76

RADIOGRAPHY

Galveston College offers an Associate of Applied Science Degree in Radiography, that combines theoretical and practical preparation on the Galveston College campus and in major affiliating hospitals located in the Galveston County area.

The Program consists of twenty-four (24) months of didactic and externship practicum in the Radiology Department of affiliated hospitals.

Upon completion of the two year course of study, students are eligible to apply for examination with the American Registry of Radiologic Technology.

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
RADT 121.....	2	RADT 122.....	2
RHS 122.....	2	RADT 124.....	2
RHS 123.....	2	English 131.....	3
RADT 131.....	3	RADT 132.....	3
RADT 133.....	3	RADT 135.....	3
RADT 134.....	3	RADT 137.....	3
	—		—
	15		16
 Summer — 12 Weeks			
	Cr. Hrs.		
RADT 112.....	1		
RADT 126.....	2		
RADT 136.....	3		
RHS 136.....	3		
Government 233.....	3		
	—		
	12		

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
RADT 123	2	English 132	3
RADT 127	2	RADT 222	2
RADT 128	2	RHS 231	3
RADT 151	5	RADT 261	6
	—		—
	11		14
Summer — 12 Weeks	Cr. Hrs.		
RADT 211	1		
RHS 232	3		
RADT 251	5		
	—		
	9		
Total Semester Credit Hours in Program			77



RESPIRATORY THERAPY

A program offering students exposure to the theoretical as well as the experiential basis for the delivery of respiratory care to the patient with pulmonary disease. Graduates of the program are qualified to enter the field of Respiratory Therapy, assuming patient care responsibilities in all aspects of respiratory care — from the newborn infant to the critically traumatized adult. Upon completion of the program, graduates are qualified to sit for the national certification and registry written examinations sponsored by the National Board for Respiratory Therapy.

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Physical Science 032	3	RET 121	2
RET 120	2	RET 132	3
RET 130	3	Biology 144	4
Biology 143	4	RET 151	5
	—		—
	12		14
Summer Semester I	Cr. Hrs.	Summer Semester II	Cr. Hrs.
RET 110	1	English 131	3
RET 122	2	Government 233	3
RET 123	2		—
	—		6
	5		



SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
RET 230	3	Mathematics 141	4
RET 240	4	RET 241	4
Biology 245	4	RET 281	8
RET 251	5	—	
	—		16
	16		
Summer Session I	Cr. Hrs.		
English 132	3		
RET 242	4		
	—		
	7		
Total Semester Credit Hours in Program			76

TECHNICAL PROGRAMS

ENGINEERING DRAFTING

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Drafting 121	2	Drafting 123	2
Drafting 135	3	Drafting 132	3
**Engineering 161	6	Drafting 134	3
English 131	3	Drafting 136	3
	—	Engineering 133	3
	14	English 132	3
		—	
			17

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Drafting 231	3	Drafting 234	3
Drafting 237	3	Drafting 235	3
Drafting 245	4	Drafting 238	3
English 233	3	Drafting 246	4
Mathematics 144	4	Government 233	3
	—		
	17		16
Total Semester Credit Hours in Program			64

*See Counselor for course selection.

**Engineering 131 and 132 are equivalent to Engineering 161. Students should not repeat these courses. Engineering 161 is for full-time day students and Engineering 131 and 132 are for part-time and evening students.

FIRE PROTECTION TECHNOLOGY

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Fire 131	3	Fire 133	3
Fire 132	3	Fire 134	3
English 131	3	Fire 135	3
*Chemistry 141	4	Speech 131	3
*Mathematics 042	4	Chemistry 142	4
	—		—
	17		16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Fire 231	3	Fire 234	3
Fire 232	3	Fire 235	3
Fire 233	3	Fire 241	4
English 233	3	Approved Elective (Fire)	3
Government 233	3	*Elective	3
Approved Elective (Fire)	3	*Elective	3
	—		—
	18		19
Total Semester Credit Hours in Program			70

*See Counselor for course selection.

LAW ENFORCEMENT

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
+ Law Enforcement 131	3	+ Law Enforcement 134	3
+ Law Enforcement 132	3	+ Law Enforcement 135	3
+ Law Enforcement 133	3	English 132	3
English 131	3	Speech 131	3
*Elective	3	*Elective	3
	—		—
	15		15

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
+ Law Enforcement 231	3	+ Law Enforcement 234	3
Law Enforcement 232	3	+ Law Enforcement 235	3

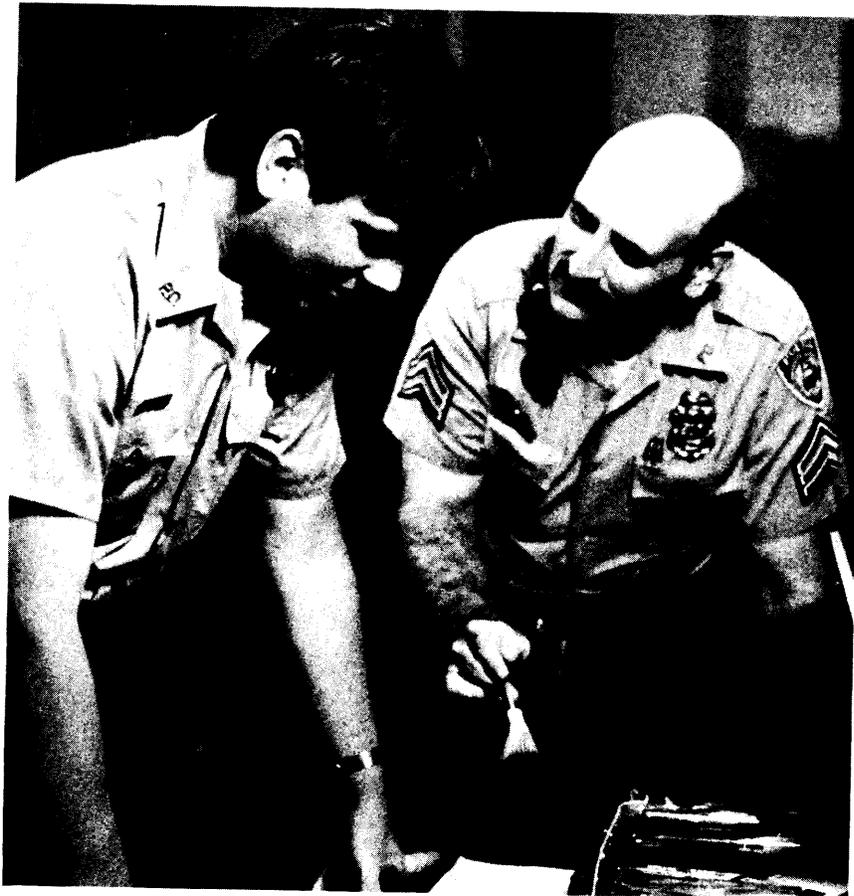
Law Enforcement 233	3	Government 232	3
Government 231	3	Sociology 131	3
Psychology 131	3	*Elective	3
	—		—
	15		15

Total Semester Credit Hours in Program 60

*See Counselor for course selection.

+ Students wishing to transfer to a senior institution for a baccalaureate degree in law enforcement should enroll in all the courses indicated by a plus (+), in addition to meeting the following course requirements: English (3-6 hours); History (6 hours); Science and/or Foreign Language (8-12 hours); and electives (8-15 hours).

Those students planning to continue their education should secure the university catalog of their choice to use as a guide in securing maximum transferability of their elective course credits.



DISTRIBUTION AND MARKETING

MID-MANAGEMENT

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Management 131	3	Management 132	3
Management 113	1	Management 114	1
Management 121	2	Management 122	2
Business Mathematics 133	3	Business Mathematics 134	3
English 131 or Business Communications 131	3	English 131, 132, or Business Communications 232	3
Speech 131 or 135	3	Office Machines 131	3
	—		—
	15		15

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Management 231	3	Management 232 or 233	3
Management 213	1	Management 214	1
Management 221	2	Management 222	2
Management 234 or 235	3	Accounting 142 or 242	4
Accounting 141 or 241	4	Government 233	3
Business Administration 231 ..	3	Economics 231	3
*Elective	3	*Elective	3
	—		—
	19		19

Total Semester Credit Hours in Program 68

*Electives may be specified according to career goals. Substitution for courses stated in the curriculum may be made for students employed in specialized areas with the prior approval of the Departmental Chairperson and the Vice-President for Occupational Programs.

MID-MANAGEMENT — BANKING OPTION

(Meets requirements for Associate in Applied Science Degree in Mid-Management — Banking Option and requirement for American Institute of Banking Basic, Standard and Advanced Certification.)

FIRST YEAR

*First Semester	Cr. Hrs.	**Second Semester	Cr. Hrs.
Banking 131	3	Banking 132	3
Economics 231	3	Banking 135	3
English 131	3	Banking 239	3
Business Mathematics		Accounting 141 or 241	4
133 or 134	3	Business Communi-	
Speech 135 or 137	3	cations 232	3
Elective	3	Management 132	3
	—		—
	18		19

SECOND YEAR

***First Semester	Cr. Hrs.	***Second Semester	Cr. Hrs.
Banking 133	3	Banking 231	3
Banking 232	3	Banking 234	3
Banking 233	3	Banking 235	3
Management 231	3	Banking 236	3
Government 233	3	Elective	3
	—		—
	15		15

Total Semester Credit Hours in Program 67

*Satisfy requirements for American Institute of Banking (A.I.B.) Basic Certification.

**Satisfy requirements for A.I.B. Standard Certification.

***Satisfy A.I.B. requirements for Advanced Certification.

REAL ESTATE MANAGEMENT

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
REM 131	3	Psychology 131	3
Bs. Mathematics 133	3	REM 132	3
Bs. Communications 131		REM 134	3
or		REM 135	3
English 131	3	Bs. Communications 232	
Speech 131		or	
or		English 132	3
Speech 135	3	*Approved Elective	3-4
REM 133	3		—
	—		18-19
	15		

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Economics 231	3	REM 232	3
REM 231	3	Government 233	3
REM 233		REM 234	3
or		*Approved Electives	6-7
Coop. R. 241	3-4		—
*Approved Electives	6-7		15-16
	—		
	15-17		

***Approved Electives**

Coop. R. 141

Sociology 131

Management 131

Management 132

Management 231

Accounting 141

Computer Science 131

Real Estate Management 233

Accounting 142

Accounting 241

Accounting 242

Business Mathematics 134

Total Semester Credit Hours in Program..... 63-66



OFFICE OCCUPATIONS

The Department of Office Occupations offers two programs: Secretarial and General Office. The first year in each of these programs concentrates on the basic skills that are needed by an office worker. The second year offers an advanced program, including accounting and office procedures.

The second year courses include intensive training in transcribing equipment, word processing, electronic calculator, and administrative and secretarial procedures. The student uses basic business skills attained in other courses, while acquiring additional skills.

Graduates of these two programs have unlimited job opportunities in the local community and have proven to be highly successful in their careers.

SECRETARIAL PROGRAM

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Business Communi- cations 131	3	Business Communi- cations 232	3
Business Mathematics 133	3	Business Mathematics 134	3
Shorthand 141	4	Shorthand 132	3
*Typewriting 141	4	Office Machines 131	3
English 131	3	Typewriting 142	4
	—		—
	17		16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
MTRS 231	3	Office Procedures 232	3
Accounting 141	4	Accounting 142	4
Typewriting 231	3	Office Procedures 237 or elective*	3
Shorthand 231 or elective*	3	Government 233	3
Office Procedures 231	3		—
	—		13
	16		

Total Semester Credit Hours in Program 62

*Electives are subject to approval by the Chairperson of the Department of Office Occupations.

GENERAL OFFICE PROGRAM

FIRST YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Business Communi- cations 131	3	Business Communi- cations 231	3
Business Mathematics 133	3	Business Mathematics 134	3
Typewriting 141	4	Typewriting 142	4
English 131	3	Office Machines 131	3
*Elective.....	3	*Elective.....	3
	—		—
	16		16

SECOND YEAR

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Office Procedures 231.....	3	Office Procedures 232.....	3
MTRS 231	3	Accounting 142	4
Accounting 141	4	Office Procedures 237 or	
Typewriting 231	3	*Elective.....	3
Elective.....	3	Government 233	3
	—		—
	16		13

Total Semester Credit Hours in Program 61

*Electives are subject to approval by the Chairperson of the Department of Office Occupations.



CURRICULA FOR CERTIFICATE PROGRAMS

The following curricula are designed for an intensive program leading to a Certificate of Proficiency in their respective areas and immediate employment in these areas.

Generally, no deviation is allowed within the prescribed program. All students are *required* to counsel with the Departmental Chairperson prior to enrollment in these programs.

CHILD DEVELOPMENT CERTIFICATE PROGRAM

The College of the Mainland-Galveston College Cooperative Child Development Program is a one year diploma program, designed to serve students in the College of the Mainland area and the Galveston College area who wish to increase their knowledge and skills in working with young children. The program is administered by College of the Mainland. All courses will be offered at both colleges at various times.

All students must register for child development courses at College of the Mainland whether they plan to take courses at College of the Mainland or Galveston College. Students may register for academic support courses at the college of their choice. The skills and knowledge developed in this program closely parallels the National Child Development Associate requirements. Students are encouraged to apply for and complete the requirements for CDA credentials.

CHILD DEVELOPMENT DIPLOMA PROGRAM

(See College of the Mainland Catalog for course descriptions)

First Semester	Second Semester
CD 131 - Survey of Child Care 3	Psyc. 139 - Early Childhood Growth and Development II 3
Psyc. 138 — Early Childhood Growth and Development I 3	CD 134 - Equipment & Materials for the Early Childhood Center 3
CD 132 - Organization and Administration of the Early Childhood Center 3	CD 135 - Nutrition, Health and Safety in the Learning Environment 3
CD 133 - The Early Childhood Center Curriculum 3	Engl. 130 - Children's Literature 3
Art 130 - Creative Experiences For Children 3	CD 147 - Child Care Practicum 4
CD 146 - Child Care Practicum 4	—
—	16
19	

INDUSTRIAL ELECTRONICS

(6241)

(Two Semester Certificate Program)

(960 Contact Hours)

Applicants should contact Galveston College counselors for admission.

The Industrial Electronics program is to train entry level servicemen in trouble shooting, repairs and alignment of a variety of electronic type equipment, such as radios, televisions, entertainment equipment, communications devices, and other types of electronic equipment. The Federal Communications Commission Second Class license preparation will be an option for those students who wish to pursue the F.C.C. Second Class Licensure.

The class will include classroom and practical hands-on experience in the laboratory using test equipment in making diagnosis and repairs to electronic equipment.

UNIT	COURSE
I.	Related Instruction
II.	Basic Electricity and Electronics
III.	Basic Circuits
IV.	Television Systems
V.	Marine Communications and Navigational Aids
VI.	Industrial Control Systems
VII.	Microwave Communication Systems



INDUSTRIAL ENGINE MECHANICS

(6423)

(Two Semester Certificate Program)

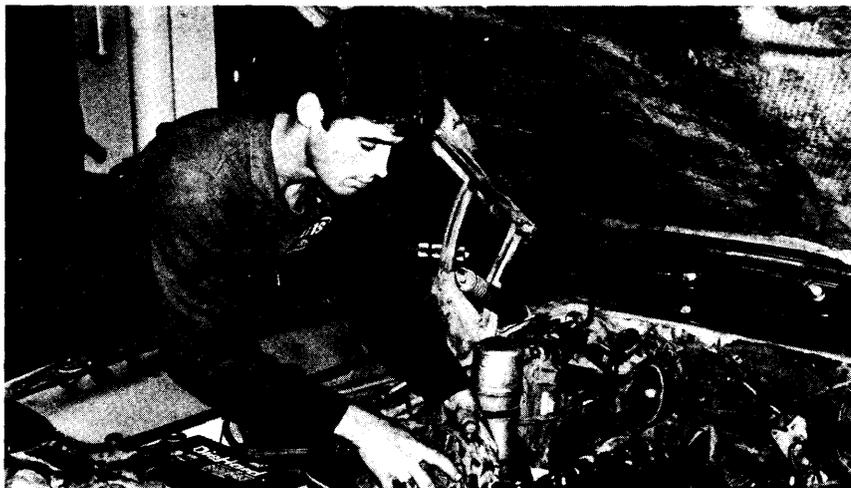
(960 Contact Hours)

Applicants should contact Galveston College counselors for admission.

The objective of the Industrial Engine Mechanics program is to train entry level industrial engine mechanics to assist the journeyman level mechanic in maintenance, repair, fuel system check, tune up and engine installations.

The program will include classroom and shop experiences in all phases of repair work on both gasoline and diesel engines used to power mobile, stationary, marine, and similar equipment units. Instruction and practice to be provided in diagnosis of malfunction; disassembly of engines and examination of parts; measuring and replacing parts; checking, timing, and replacing ignition and fuel systems, oil and water pumps, generators, governors, controls and auxiliary units. The uses of technical manuals, of a variety of hand and power tools, and of testing and diagnostic equipment are also studied. (7002)

UNIT	COURSE
I.	Related Instruction
II.	Internal Combustion Engines
III.	Engine Block Assemblies
IV.	Cylinder Heads
V.	Ignition and Electrical Systems
VI.	Fuel Systems
VII.	Lubrication Systems
VIII.	Cooling Systems
IX.	Auxiliary Units
X.	Engine Repair and Trouble Shooting



MINI-COURSE IN CLERICAL OCCUPATIONS

(5823)

(Three-month Certificate Program)

(360 Contact Hours)

Applicants interested in the program should contact a Galveston College counselor as enrollment in this special program is limited. A general clerical test is required.

The program is open to students with an interest in the clerical field who possess basic communication and arithmetic skills, and who can progress and profit from the course.

Classroom instruction will include typewriting, office machines, dictation, transcription, duplicating equipment, filing, office procedures, telephone techniques, and a working knowledge of the magnetic tape selectric typewriter. Each student is encouraged to attain as much skill and knowledge as possible to prepare them for employment.

Classes meet daily for 12 weeks. New quarters begin on September 1, December 1, March 1, and June 1.

UNIT	COURSE
I.	Typewriting
II.	Office Machines
III.	Machine Transcription
IV.	Office Procedures
V.	Shorthand Dictation and Transcription
VI.	Magnetic Tape Selectric Typewriter

NURSE ASSISTANT

(7822)

(One Semester Certificate Program)

(480 Contact Hours)

This program prepares 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 inter-personal relations, and nursing procedures related to daily needs of patients and to common therapeutic measures. Clinical experiences provide opportunities for applying classroom learnings to practice in the hospital setting, and introduce the student to possible specialty areas.

UNIT	COURSE
I.	Introduction to Role of Nurse Assistant
II.	Understanding Effects of Illness
III.	Making Observations on Patients
IV.	Safety Measures in Cure of the Sick
V.	Measures to Promote the Patient's Comfort
VI.	Measures Related to the Patient's Illness
VII.	Specialized Nurse Assistant Activities
VIII.	Becoming a Hospital Employee

You must maintain a "C" average to successfully complete the Nurse Assistant Program or to receive the certificate.

PRINTING (Offset)

(6238)

(One Year Certificate Program)

First Semester	Cr. Hrs.	Second Semester	Cr. Hrs.
Printing 141	4	Printing 118	1
Printing 132	3	Printing 135	3
Printing 133	3	Printing 136	3
Printing 124	2	Printing 137	3
English 131	3	Business Math. 133	3
	—		—
	15		16

First Summer Session

Printing 261

6

Second Summer Session
Printing 262 6

Total Semester Credit Hours in Program 43

REFRIGERATION MECHANICS

(7221)

(Two Semester Certificate Program)

(960 Contact Hours)

Applicants should contact Galveston College counselors for admission.

The Refrigeration Mechanic installs, maintains and repairs refrigeration equipment; overhauls and repairs pumps, compressors, piping and other equipment used in refrigeration systems; inspects and examines the various parts which comprise the system to detect leaks and other faults; disassembles various parts, such as valves, springs, brushes and connections to note their condition; installs new piping, packing, valves, and pipe couplings to stop leaks; uses hand tools such as wrenches, pliers, and pipe cutting and/or threading tools. (7002)

UNIT	COURSE
I.	Related Instruction
II.	Methods of Refrigeration
III.	Refrigerants
IV.	Using Pressure Instruments and Charts
V.	Motors and Motor Controls
VI.	Servicing Refrigeration Systems



SURGICAL TECHNOLOGIST

(8031)

(One Year Certificate Program)

(1552 Contact Hours)

Successful completion of this study program should enable the graduate to perform as an operating room technologist, assisting the registered professional nurse in the care of patients in the highly disciplined operating room environment. As a competent member of the surgical team, he/she may function as a scrub technologist. To perform in this capacity, the individual scrubs (washes) hands and arms, dries, puts on gowns and gloves, and is therefore able to function in an aseptic, bacteria-free, environment. This role involves preparing the handling of sterile instruments, supplies, and equipment used during an operation. In some facilities, the technologist assists the circulating nurse, the non-sterile gowned member of the team, in coordinating the supplies and needs of the surgical team.

Technologists may transport patients, prepare patients for surgery, decontaminate and sterilize supplies, dispense supplies, clean and stock the operating suite.

Students study anatomy and physiology, microbiology, pathology, principles of operating room technique, and related nursing procedures to provide a safe environment for the patient during various phases of surgical treatment.

Work in an operating suite is physically demanding, and the technologists may be required to stand for long periods of time while performing his/her duties. In addition, the technologist may be required to lift or move objects of considerable bulk and weight.

Employment in medical facilities may be for eight to ten consecutive hours a day, forty hours a week, and include on-call situations. The employing facility provides the recommended clothing appropriate for operating room attire.

UNIT	COURSE
I.	Orientation to Operating Rooms and Basic Operating Room Technology
II.	Microbiology
III.	Medical Terminology
IV.	Fundamentals of Health Care
V.	Anatomy and Physiology
VI.	Support Areas
VII.	Fundamentals of Fluids and Electrolytes and Basic Pharmacology

- VIII. Cardio-Pulmonary Resuscitation
- IX. Surgical Intervention — Lecture
- X. Special Problems and Techniques — Lecture
- XI. Areas Related to Surgery
- XII. Surgical Intervention — Clinical
- XIII. Special Problems and Techniques — Clinical

UNIT CLERK

(7823)

(One Semester Certificate Program)

(480 Contact Hours)

This program trains qualified men and women to perform clerical skills in support of a nursing unit to relieve professional personnel of routine clerical duties. Classroom teaching, which will include approximately 50% of the instruction, and clinical experience, which will include approximately 50% of the instruction, will develop beginning skills in interpersonal and interdepartmental communications; beginning skills in the clerical phase of patient care; beginning skills in assisting the head nurse and/or a delegate in the clerical phase of nursing service personnel management; beginning skills in transcribing medical orders; beginning skills in recognizing and reporting pertinent matters regarding changes in nursing care which come to the unit clerk's attention through unit management; the ability to inform unit manager or area manager of unusual occurrences or difficulties; the ability to maintain inventory of supplies and equipment. Clinical experiences provide opportunities for applying classroom learnings to practice in the hospital setting, and introduce the student to possible specialty areas.

UNIT	COURSE
I.	Orientation
II.	Theory of Unit Management
III.	Communications
IV.	Legal Aspects for Health Care Workers
V.	Medical Terminology
VI.	Clerk's Role in Emergencies
VII.	Infection Control
VIII.	Daily Routines
Clinical Experience	
IX.	The Patient's Medical Record
X.	Mechanics of Charting
XI.	Coordination with Other Service Departments
XII.	Transcribing Orders

VOCATIONAL NURSING

(7821)

(One Year Program)

APPROVED BY THE STATE BOARD OF VOCATIONAL NURSE EXAMINERS

(Meets Certificate of Completion Requirements. All policies and procedures comply with the Texas State Board of Vocational Nurse Examiners regulations as stated in the policy manual.)

The Vocational Nursing Program is a twelve (12) month program which prepares the mature person with skills of nursing that will enable the individual to function effectively in giving bedside nursing care under the direct supervision of a registered nurse (R.N.), medical doctor (M.D.), or doctor of dental surgery (D.D.S.). Upon successful completion of the program the student will be awarded a certificate of graduation. The student will then be eligible to write the State Board Examination. During the program of courses the student must, at all times, maintain grades acceptable to the Licensing Board of Texas. After successfully passing the examination, the graduate receives a license as a Licensed Vocational Nurse of Texas.

Classroom instruction and clinical experience is provided Monday through Friday of each week. Working weeks will not exceed forty hours.

COURSES IN VOCATIONAL NURSING PROGRAM

Personal and Vocational Adjustments: *20 class hours*

Introduction to nursing; nursing ethics; legal aspects; personal hygiene and grooming. (6101)

Mental Health: *10 class hours*

Basic principles of positive mental health; elementary human behavior; psychological growth and development. (6101)

Mental Illness: (Psychiatric Nursing) *10 class hours*

Aspects of emotional behavior due to illness, environment or religious belief; introduction to functional and organic mental illness.

Disease Control and Prevention: *30 class hours*

Basic microbiology for understanding importance of maintaining cleanliness and disinfection in relation to prevention of disease, disease control and community resources.

Vocational Nursing Skills:	<i>210 class hours</i>
Basic nursing principles applicatory to good nursing; nursing procedures and skills for institutionalized care; procedures and improvisation of equipment for home care. Techniques and methods of drug and food administration.	
First Aid:	<i>10 class hours</i>
Standard Red Cross First Aid.	
Pharmacology:	<i>40 class hours</i>
Calculation of drugs, introduction to the basic classification of drugs such as antibiotics, etc.	
Nutrition:	<i>20 class hours</i>
Introduction to basic normal nutrition and nutrients required for maintaining health. Introduction to basic hospital diets.	
Body Structure and Function:	<i>70 class hours</i>
Simple basic anatomy and physiology as a background for nursing skills and other subject matter.	
Normal Growth and Development:	<i>10 class hours</i>
Basic aspects of growth and development from infancy through childhood, adolescence and early adulthood.	
Geriatrics:	<i>10 class hours</i>
Normal physical debilitation due to aging process.	
Medical-Surgical Nursing	<i>100 class hours</i>
Conditions of illness requiring medical and/or surgical treatment care of aged. Supportive care inclusive of physical, emotional, and spiritual needs. Incorporation of specific drug and diet therapy in formal teaching and clinical experience. Correlation of mental hygienic principles to supportive care of emotional disturbances.	
Maternity and Newborn Nursing:	<i>40 class hours</i>
Normal obstetrics; pregnancy through labor and delivery to postpartum inclusive of complications specific to obstetrics and disease conditions affecting course of obstetrics. Supportive care, including physical, emotional, and spiritual needs. Effects of drugs and diet on mother and child	

during pregnancy and after birth. Immediate care of newborn; characteristics of newborn; complications in the newborn relative to pregnancy, labor and delivery. Congenital abnormalities, birth injuries and nursing care.

Pediatric Nursing:

30 class hours

Childhood diseases and diseases specific to children. Effect of disease on normal growth and development. Nursing care in these conditions.

THE ADULT AND CONTINUING EDUCATION PROGRAM

These program areas consist of courses and activities designed primarily for the adult population. Most of the courses and activities are of other than semester length and begin and end at various times throughout the year. The College attempts to arrange registration hours, class meeting times, and class format for the convenience of prospective students.

Questions concerning the Adult and Continuing Education Programs should be addressed to the Director of Continuing Education and Evening Division, Room 130, Moody Hall, or by calling 763-6551, Extension 252.

ADULT EDUCATION PROGRAM

Many adults are unable to read, write, and perform basic mathematical computations because they did not complete a high school education. As a result, they often are severely limited in career opportunities.

The purpose of the Adult Education Program is to assist those persons having less than a high school education to develop basic reading, writing, and mathematical skills equivalent to those of a high school graduate. This may lead to successful completion of the General Educational Development (GED) examination and the award of the General Educational Development (GED) Certificate.

There are three basic components in Adult Education. These are: (1) English as a Second Language, (2) Adult Basic Education (ABE), and (3) General Educational Development.

English as a Second Language — This component stresses learning to speak, read, and write the English language to levels which permit the individual to progress socially, occupationally, and educationally.

Adult Basic Education — In this component the individual studies reading, writing, and arithmetic in preparation for more advanced material required for successful completion of the GED.

General Educational Development — In this component the student develops the necessary skills in correctness and effectiveness of expression, interpretation of reading materials, and general mathematical computation which are required for those planning to take the GED examinations.

Registration: No fees are charged for registering in the Adult Education Program. Anyone 17 years or older and not enrolled in school may register.

THE GED EXAMINATION

The GED examination is a battery of five tests designed to test the individual's knowledge and ability in writing skills, reading skills, mathematical computation, and general knowledge.

- TEST 1 — WRITING. A one hour test consisting of eighty multiple choice questions concerning correctness and effectiveness of expression. The candidate is tested on grammar, spelling, sentence structure, and punctuation.
- TEST 2 — SOCIAL STUDIES. A one and one-half hour test consisting of 60 multiple choice questions concerning the interpretation of reading materials in the social studies. The candidate is tested on materials dealing with economics, geography, political science, history, and behavioral science.
- TEST 3 — SCIENCE. A one and one-half hour test consisting of 60 multiple choice questions concerning the interpretation of reading materials in the natural sciences. The candidate is tested over materials with biology, earth science, chemistry, and physics.
- TEST 4 — READING. A one hour test consisting of forty multiple choice questions concerning the interpretation of literary materials. The candidate is tested over materials dealing with practical reading, general reading, prose literature, poetry, and drama.
- TEST 5 — MATHEMATICS. A one hour test consisting of fifty multiple choice questions concerning general mathematical ability. The candidate is tested over problems in arithmetic, algebra, and geometry.

GED TEST CENTER

Galveston College is approved by the American Council on Education as an official GED Test Center. Persons wishing to register for the GED examination should call the Director of Continuing Education and Evening Division at 763-6551 or come to Room 130, Moody Hall, 4015 Avenue Q.

In order to register to take all or part of the GED examination, the individual should have a driver's license or other form of identification with a picture to verify identity.

A fee of \$2.00 for each test to be taken will be charged at the time of registration.

CONTINUING EDUCATION PROGRAM

Courses and activities offered through the Continuing Education Program provides opportunities for occupational skills, personal development, and cultural enrichment. Individuals or groups desiring to have a particular course or activity offered should contact the Director of Continuing Education and Evening Division.

REGISTRATION AND FEES — Since courses and activities begin throughout the year, registration is an ongoing process. To register a person should come to the office of the Director of Continuing Education and Evening Division in Room 130, Moody Hall, 4015 Avenue Q.

Registration fees are determined by a number of factors and vary from course to course.

REFUNDS — Full refund will be given if a course is dropped prior to the second class meeting. Full refund will be made for any class cancelled by the College.

CONTINUING EDUCATION UNIT (CEU) — One CEU is equivalent to ten (10) clock hours of successful participation in a course which meets certain criteria specified by the Southern Association of Colleges and Schools. CEU's are awarded to individuals who successfully complete a course approved for the awarding of CEU's.

TYPICAL COURSES AND ACTIVITIES

Aerobic Dance	Gasoline Engine Mechanics I, II
Air Conditioning	General Insurance Seminars
Ballet Exercise	Guitar
Basic Tune-Up	History of Galveston Island
Conversational Spanish	Home Decorating
Defensive Driving	Income Tax Seminar
EMT I, II	Insurance Problems Related to Financial Loans Institutions
Emergency Care Attendant	Law Enforcement Basic Certification
Exercise For Fitness	Management Seminars
Fair Housing	Medical Terminology
Financial Management	Metric Arithmetic
Galveston Chorale (Grand Chorus)	

Oil Painting
Real Estate Appraisal
Real Estate Investment
Real Estate Law
Real Estate Math
Real Estate Practice
Recordkeeping for the Small Business

Shorthand
Sign Language
Spanish for Health Services
Tennis
Typewriting
Wills and Estate Planning



GAILVESTON COLLEGE



COURSE DESCRIPTIONS

ACCOUNTING

ACCOUNTING 141 — Office Accounting I (3-3) Credit: 4.

Prerequisite: None

Lab Fee: \$5.00

An introductory course to provide the clerical, mid-management, and secretarial student with a knowledge of bookkeeping procedures which may be encountered in the business world. A study is made of accounting for cash, personal service enterprises, merchandise, notes and interest, the accrual basis of accounting applied to a retail business, payroll accounting, periodic summaries, and adjusting and closing accounts at the end of accounting period. (5824)

ACCOUNTING 142 — Office Accounting II (3-3) Credit: 4.

Prerequisite: Accounting 141, or equivalent, or permission of the Departmental Chairperson. Lab Fee: \$5.00

A continuation of Office Accounting I, with attention given to single proprietorships, partnerships and corporate types of business organizations. The fundamentals of data processing systems and procedures, as applied to accounting, are included. (5824)

ACCOUNTING 241 — Principles of Accounting I (3-3) Credit: 4.

Prerequisite: None. Lab Fee: \$5.00

Basic structure of accounting, including fundamental accounting relationships, ledger, and trial balance; accounting cycle for a service enterprise, accounting cycle for a merchandising enterprise, notes, deferrals and accruals; receivables, inventory and plant assets; accounting systems and concepts. (050201)

ACCOUNTING 242 — Principles of Accounting II (3-3) Credit: 4.

Prerequisite: Accounting 241. Lab Fee: \$5.00

Accounting procedures and practices applicable to partnerships and corporations; departmentalized accounting; introduction to cost systems and budgetary control; decision-making through analysis and interpretation of financial statements. (050201)

ANTHROPOLOGY

ANTHROPOLOGY 131 — Introduction to Anthropology (3-0) Credit: 3.

Prerequisite: None.

Principles of physical and cultural anthropology; analysis of the cultures of prehistoric and existing preliterate people; impact of modern western culture on preliterate societies. (220201)

ART

ART 131 — Drawing I (2-4) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

A beginning course investigating a variety of media techniques and subjects, exploring visual and descriptive possibilities with consideration of drawing as a development process as well as an end in itself. (100208)

ART 132 — Drawing II (2-4) Credit: 3.

Prerequisite: Art 131. Lab Fee: \$2.00

Expansion of Drawing I stressing the expressive and conceptual aspects of drawing including the human figure within a spatial environment. (100298)

ART 1303 — Design I (2-4) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

A study of the function of the basic visual elements; line, shape, texture, value, form, and their interaction within a 2-dimensional composition. (100201)

ART 1304 — Design II (2-4) Credit: 3.

Prerequisite: Art 1303. Lab Fee: \$2.00

Continuation of Design I with emphasis on two and three dimensional concepts. (100201)

ART 133 — Ceramics I (0-6) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

An introduction to basic ceramic processes such as handbuilding, the potters wheel and glazing. A wide variety of firing methods will be

explored, including primitive firing, low firing, raku and stoneware.
(100901)



ART 134 — Ceramics II

(0-6) Credit: 3.

Prerequisite: Art 133. Lab Fee: \$2.00

Advanced study of Ceramics I with opportunities to specialize in specific ceramic processes. Individual expression is stressed. (100901)

ART 135 — Art History I

(3-0) Credit: 3.

Prerequisite: None

A study of the major movements of painting, sculpture, architecture, and the minor arts from pre-historic times to the 14th century. Lectures, slides, films, discussion. (100304)

ART 136 — Art History II (3-0) Credit: 3.

Prerequisite: None

A study of the major movements of painting, sculpture, architecture, and the minor arts from the 14th century to the present. Lectures, slides, films, discussion. (100302)

ART 137 — Metals I (0-6) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

The study of metals, their properties, techniques, tools and processes involved in metal smithing and jewelry construction. (100909)

ART 138 — Metals II (0-6) Credit: 3.

Prerequisite: Art 137. Lab Fee: \$2.00

Advanced study of Metals I with emphasis on individual expression. (100909)

ART 233 — Sculpture I (0-6) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

An exploration of various sculptural approaches in a variety of media including additive and subtractive techniques. (100213)

ART 234 — Sculpture II (0-6) Credit: 3.

Prerequisite: Art 232. Lab Fee: \$2.00

A continuation of Sculpture I with emphasis on individual expression. (100213)

ART 235 — Painting I (0-6) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

Exploring the potentials of painting media with emphasis on color and composition. (100209)

ART 236 — Painting II (0-6) Credit: 3.

Prerequisite: Art 235. Lab Fee: \$2.00

Continuation of Painting I with emphasis on individual expression. (100209)

ART 237 — Photography I (0-6) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

An introduction to basic photographic techniques, processes and potentials in black and white photography. (100214)

ART 238 — Photography II (0-6) Credit: 3.

Prerequisite: Art 237. Lab Fee: \$2.00

Continuation of Photography I with further exploration of potentials of black and white photography as well as an introduction to color photography. (100214)

ART 239 — Printmaking I (0-6) Credit: 3.

Prerequisite: None Lab Fee: \$2.00

Introduction to relief and intaglio printmaking processes, including woodcut, linoleumcut, collograph, etching, engraving, drypoint, and monotype. Experimentation with the various media is emphasized. (100216)

ART 2301 — Printmaking II (0-6) Credit: 3.

Prerequisite: Art 239. Lab Fee: \$2.00

Continuation of Printmaking I with opportunities for specialization and experimentation in printmaking processes. (100216)

BANKING

BANKING 131 — Principles of Bank Operations (3-0) Credit: 3.

Prerequisite: None.

This course presents the fundamentals of bank functions in a descriptive fashion so that the beginning banker may view his chosen profession in a broad (and operational) perspective. The descriptive orientation is intentional. Banking is increasingly dependent upon personnel who have the broad perspective so necessary for career and advancement. (5626)

BANKING 132 — Money and Banking (3-0) Credit: 3.

Prerequisite: None.

This course stresses the practical aspects of money and banking and emphasizes the basic monetary theory needs by the banking student to apply knowledge to a particular job. Historical treatment has been kept to a minimum. Emphasis is also placed on such problems as economic stabilization, types of spending, the role of gold, limitations of central bank control, government fiscal policy, balance of payments, and foreign exchange, showing their repercussions on the banking industry in affecting yield curves and the structuring of portfolios. (5626)

BANKING 133 — Credit Administration (3-0) Credit: 3.

Prerequisite: None.

This course, directed toward the executive level, concerns itself partly with a statement and discussion of factors influencing and determining loan policy. Methods of credit investigation and analysis, credit techniques, specific credit problems, and regular, as well as unusual types of loans are discussed. (5626)

BANKING 135 — Savings and Time Deposit Banking (3-0) Credit: 3.

Prerequisite: None.

This course reflects recognition of the fact that a knowledge of the historical development of savings institutions and an awareness of the basic economic function of the saving process are necessary to an understanding of the current operations and policies of these institutions. It begins with a review of the economics of the savings process in order to clarify important differences between financial savings by individuals or organizations and real savings that appear as capital formation. Different types of financial savings are reviewed in order to describe the system of financial flows of income to capital investment. (5626)

BANKING 139 — Federal Regulations in Banking (3-0) Credit: 3.

Prerequisite: None.

Acquaint the prospective banking student and employee with existing regulations in banking as prescribed by the federal government. (5626)

BANKING 231 — Bank Investments (3-0) Credit: 3.

Prerequisite: None.

Because the bank's needs for primary reserves and loanable funds limit the funds available for investment, this course describes the nature of such funds and how their uses are determined. It also analyzes the primary and secondary reserve needs of commercial banks, the sources of reserves, and their random and cyclical fluctuations, showing the influence of these factors on investment policy. This analysis is followed by a study of yield changes as they affect a bank's long-term holdings. (5626)

BANKING 232 — Bank Management (3-0) Credit: 3.

Prerequisite: None.

This course is based on the second edition of the text that presents new trends which have emerged in the philosophy and practice of management. The study and application of the principles outlined provide new and experienced bankers with a working knowledge of bank management. Since case study is becoming well established as an effective management learning technique, this text also introduces the use of cases as a new element. (5626)

BANKING 233 — Trust Functions and Services (3-0) Credit: 3.

Prerequisite: None.

This new course presents a complete picture of the services rendered by institutions engaged in trust business. Providing an introduction to the services and duties involved in trust operations, the course is intended for all bankers, not only those who are engaged in trust business. It endeavors to keep clear the distinction between business and legal aspects of trust functions. (5626)

BANKING 234 — Installment Credit (3-0) Credit: 3.

Prerequisite: None.

In this course, the techniques of installment lending are presented concisely. Emphasis is placed on establishing the credit, obtaining and checking information, servicing the loan, and collecting the amounts

due. Each phase of a bank's installment credit operation should be carefully scrutinized to be certain that the most efficient methods are employed, for only through an efficient operation can a bank maximize its profits on this particular kind of credit. Other topics discussed are inventory financing, special loan programs, business development and advertising, and the public relations aspect of installment lending. (5626)

BANKING 235 — Analyzing Financial Statements (3-0) Credit: 3.

Prerequisite: None.

A fourth edition of the textbook is used for this course and is organized into two main sections: Characteristics of Financial Statements and Financial Statement Analysis. The first section serves as a useful review of basic accounting principles for those students who have studied accounting. For those who have not, this section provides the minimum accounting background necessary for profitable study of financial statement analysis. (5626)

BANKING 236 — Financing Business Enterprise (3-0) Credit: 3.

Prerequisite: None.

Stress is placed on the difference between lending and investing, and on the fact that investing in a corporation and financing a corporation are different aspects of the same subject. In this course, the material is presented from the viewpoint of the corporate treasurer who must safeguard the financial future of his corporation. (5626).

BANKING 237 — Argumentation and Debate (3-0) Credit: 3.

Prerequisite: None.

This course is planned to set forth the principles of argumentation, so that the debates will have the necessary background for the development of his own technique. It describes the analysis of the debate subject, gives the principles of logical argument, and suggests how the case may be presented most effectively. (5626).

BANKING 239 — Law and Banking (3-0) Credit: 3.

Prerequisite: None.

An introduction to basic American law, presenting the rules of law which underlie banking. Topics include jurisprudence, the court system and civic procedure, contracts, quasicontracts, property, torts and crimes, agencies, partnerships, corporations, sales of personal property,

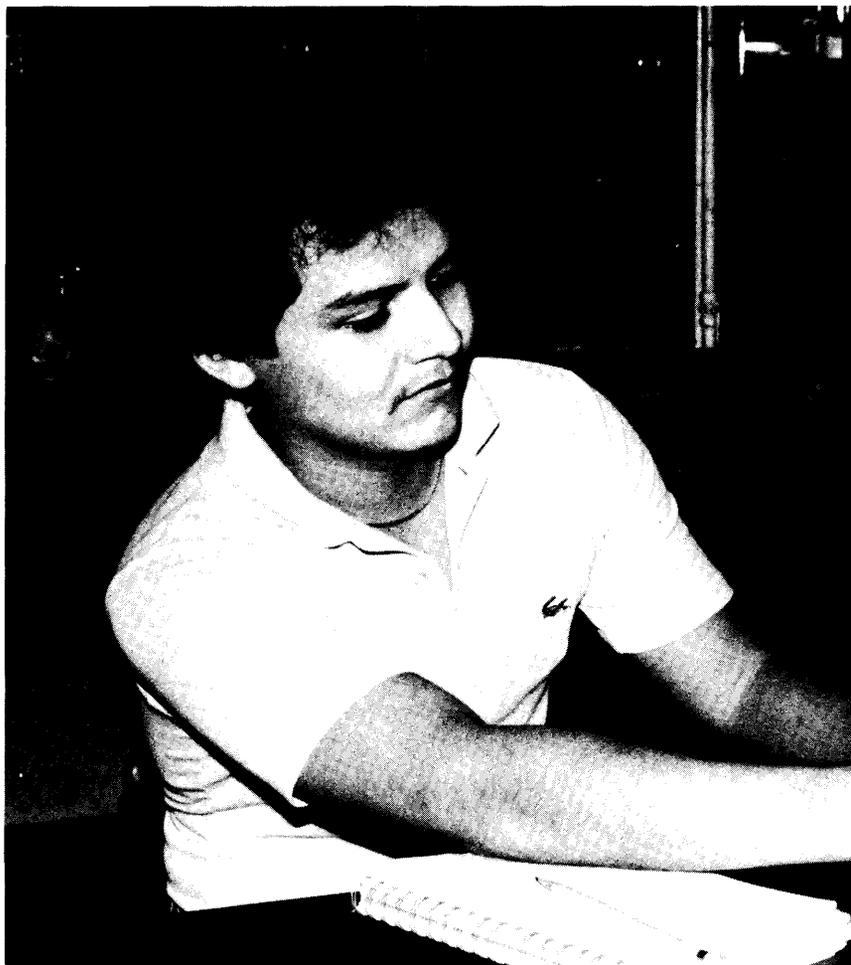
commercial paper, bank deposits and collections, documents of title, and secured transactions. Emphasis is on the Uniform Commercial Code. (5626)

BIOLOGY

BIOLOGY 031 — A Survey of Biological Principles. (3-0) Credit: 3.

Prerequisite: None.

Basic biological concepts such as the cell unit, acid-bases, organismal functions, and anatomical and physiological relationships are surveyed. Highly recommended for students who have not completed high school biology and plan to enroll for further biology courses. (040091)



BIOLOGY 135 — Nutrition (3-0) Credit: 3.

Prerequisite: High School biology recommended.

Basic principles of nutrition in health and disease. The essentials of food selection and quality of nutrients in normal and therapeutic diets. (130601)

BIOLOGY 141 — General Biology I (3-3) Credit: 4.

Prerequisite: High School biology or Biology 031. Lab Fee: \$8.00

General Biology for Science Majors: The first semester of a two semester sequence surveying basic biological principles. The cell structure and fundamental cell processes of photosynthesis, cellular respiration, mitosis, and genetics will be stressed. (040101)

BIOLOGY 142 — General Biology II (3-3) Credit: 4.

Prerequisite: Biology 141. Lab Fee: \$8.00

A continuation of Biology 141 emphasizing anatomy and physiology, evolution, ecology, and an introductory survey of living organisms. (040101)

BIOLOGY 143 — Anatomy and Physiology I (3-3) Credit: 4.

Prerequisite: High School biology or Biology 031, or equivalent. Lab Fee: \$8.00

Introduction of the normal structure of the human body, its cells, organs, and systems, and the functioning of these units. Major body systems to be studied include the skeletal, muscular, and nervous systems. Coordination of body systems for integral functioning will be stressed. This course serves as a foundation for students of A.D. Nursing, Allied Health disciplines, and physical education majors. (041001)

BIOLOGY 144 — Anatomy and Physiology II (3-3) Credit: 4.

Prerequisite: Biology 143. Lab Fee: \$8.00

A continuation of Biology 143 with emphasis on the circulatory, respiratory, digestive, excretory, and reproductive systems. (041001)

BIOLOGY 145 — Biological Science I (3-2) Credit: 4.

Prerequisite: None. Lab Fee: \$8.00

Biology for non-science majors: A presentation of selected topics in biological science to provide general knowledge of the basic biological

principles as they apply to plants, animals, and humans. Includes consideration of man's role on earth and the changing environment. (042001)

BIOLOGY 146 — Biological Science II (3-2) Credit: 4.

Prerequisite: Biology 145. Lab Fee: \$8.00

A continuation of Biology 145 including plant and animal reproduction, genetics, ecology, and man in relation to his environment. (042001)

BIOLOGY 245 — Microbiology (3-3) Credit: 4.

Prerequisite: Biology 141 or 143 or equivalent. Lab Fee: \$8.00

Principles of microbiology including historical concepts, survey of nature and activities of microorganisms, host defense mechanisms, and prevention of diseases. Laboratory methods stress studies of pure cultures, the use of laboratory apparatus, staining, and identification of microbial populations in the environment. (041101)

BUSINESS ADMINISTRATION

BUSINESS ADMINISTRATION 131 — Introduction to Business (3-0) Credit: 3.

Prerequisite: None.

Designed to acquaint the student with the modern business world and the career opportunities it offers. Provides an overview of business operation. Includes analysis of specialized fields within business organization, including organization, methods of operation, forms of ownership, business functions, and problems of management. (050101)

BUSINESS ADMINISTRATION 231 — Business Law (3-0) Credit: 3.

Prerequisite: Sophomore standing or consent of Departmental Chairperson.

History and role of law in modern business and society; legal institutions and reasoning; framework of basic legal principles; application of basic principles of contract and property law. Acceptable as transfer credit at some schools. Check with counselor before enrollment. (050103)

BUSINESS COMMUNICATIONS

BUSINESS COMMUNICATIONS 131 — Introduction
to Business Communications (3-0) Credit: 3.

Prerequisite: None.

Intensive study and application in business vocabulary and spelling mastery. Study of the total communication process—verbal, nonverbal, listening, and reading. Emphasis on written and oral use of grammar and punctuation, as well as use of the library. (051423)

BUSINESS COMMUNICATIONS 232 —
Business Correspondence (3-0) Credit: 3.

Prerequisite: B.Com. 131 or permission of the Departmental Chairperson.

Writing business letters and reports, organizing and composing acceptable business communications in accordance with current business writing practices. (051423)

BUSINESS MATHEMATICS

BUSINESS MATHEMATICS 133 —
Business Mathematics I (3-0) Credit: 3.

Prerequisite: None.

A study is made of fundamental mathematical processes, fractions, decimals, percentage in business, business equations, and simple interest. (170112)

BUSINESS MATHEMATICS 134 —
Business Mathematics II (3-0) Credit: 3.

Prerequisite: Business Mathematics 133, or equivalent, or permission of the Departmental Chairperson.

Compound interest, annuities, insurance, payrolls and taxes, depreciation, financial statements, statistics and graphs, stocks and bonds. (170112)

CHEMISTRY

CHEMISTRY 141 — General Chemistry I (3-3) Credit: 4.

Prerequisite: High school chemistry or Physical Science 032 or consent of the Departmental Chairperson. Lab Fee: \$8.00

Principles and methods of inorganic chemistry; nature of matter; description and structure of atoms, molecules, and chemical bonds; laws governing the gaseous, liquid and solid states and changes of state; properties of solutions and dispersions, and a study of acids and bases. (190502)

CHEMISTRY 142 — General Chemistry II (3-3) Credit: 4.

Prerequisite: Chemistry 141. Lab Fee: \$8.00

Kinetics and equilibria of reactions; electrochemistry; thermochemistry; application of principles and methods of inorganic chemistry to the elements and the compounds; elements of Groups I, II, III, IV, V, VI, VII and transistion of rare-earth elements; introductions to organic chemistry and radioactivity. (190502)

CHEMISTRY 143 — Fundamentals of Chemistry (3-3) Credit: 4.

Prerequisite: High school chemistry or Physical Science 032 or consent of the Departmental Chairperson. Credit may not be earned for both Chemistry 141 and Chemistry 143. Lab Fee: \$8.00

A comprehensive study of the principles and laws of chemistry, with emphasis on structure of matter, the periodic table, and behavior of solutions; introduction to equilibrium and colloids. Designed primarily for students in the health occupations. (190501)

CHEMISTRY 144 — Introduction to Organic and Physiological Chemistry (3-3) Credit: 4.

Prerequisite: Chemistry 141 or 143. Credit may not be earned for both Chemistry 142 and Chemistry 144. Lab Fee: \$8.00

Elementary organic chemistry, both aliphatic and aromatic; introduction to the chemistry of carbohydrates, proteins, fats, blood, urine, vitamins, hormones, and nuclear chemistry. A continuation of Chemistry 143, designed primarily for students in the health occupations. (190501)

CHEMISTRY 243 — Organic Chemistry I (3-3) Credit: 4.

Prerequisite: Chemistry 142. Lab Fee: \$8.00

Principles of organic chemistry. Structure, nomenclature, occurrence and physical properties of organic compounds. Chemical bonds and stereo-chemistry in organic compounds. Introduction to organic reactions. (190701)

CHEMISTRY 244 — Organic Chemistry II (3-3) Credit: 4.

Prerequisite: Chemistry 243. Lab Fee: \$8.00

Organic reactions; elaboration of fundamentals learned in Chemistry 243 through treatment of chemistry of nature and biological products, petroleum, polymers and other important materials. (190701)

COMPUTER SCIENCE

COMPUTER SCIENCE 131 — Introductory Computing (3-0) Credit: 3.

Prerequisite: None.

Basic principles of computing. Input/output media. Computer software, number system, flow charting and programming. Applications of computers in business and industry. (070101)

COMPUTER SCIENCE 141 — Programming in BASIC Language (3-3) Credit: 4.

Prerequisite: Math 141 or consent of the Departmental Chairperson. Lab Fee: \$8.00

Introduction to digital computer, fundamental concepts, study of BASIC programming language with applications and problem solving. (070401)

COMPUTER SCIENCE 142 — Micro-Computer Systems and Their Applications (3-3) Credit: 4.

Prerequisite: None. Lab Fee: \$8.00

A study of microcomputer systems and their uses. Programming fundamentals of microcomputers, design, operation, maintenance, interfacing, and applications. (070101)

COMPUTER SCIENCE 241 — Scientific Programming - FORTRAN (3-3) Credit: 4.

Prerequisite: Math 141 or consent of the Departmental Chairperson. Lab Fee: \$8.00

Basic concepts and properties of algorithms for solution of numerical and non-numerical problems, including running of programs on a computer. Solution of scientific and engineering problems using FORTRAN language. (070401)

COMPUTER SCIENCE 243 — COBOL

Programming

(3-3) Credit: 4.

Prerequisite: Computer Science 131 or consent of the Departmental Chairperson. Lab Fee: \$8.00

Basic Concepts of Common Business Oriented Language (COBOL) Programming with applications to the solution of business oriented problems. (070401)

COMPUTER SCIENCE 244 — PASCAL

Programming

(3-3) Credit: 4.

Prerequisite: Math 141 or the consent of the Departmental Chairperson. Lab Fee: \$8.00

An introductory course in PASCAL Programming, with applications and problem solving. This course will emphasize structured programming. (070401)



COOPERATIVE EDUCATION

COOPERATIVE EDUCATION 141 (0-20) Credit: 4.

Prerequisite: Approval of Director of Cooperative Education.

A comprehensive treatment of internship related activities with individualized learning objectives structured to relate the student's major field of study with the internship position. Regularly scheduled seminars concentrate on proper interviewing techniques, letters of application and resume writing, case study methods towards human relations and effective communications on the job, investigation of the career and work environment, and an analysis of the chosen career, which includes appropriate curriculum requirements. (089950U)

COOPERATIVE EDUCATION 241 (0-20) Credit: 4.

Prerequisite: Approval of Director of Cooperative Education.

A comprehensive treatment of internship-related activities with individualized learning objectives structured to relate the student's major field of study with the internship position. Regularly scheduled seminars concentrate on the development of a philosophy towards work, effective time management, value clarification, professional ethics and moral responsibilities encountered in the student's career choice. (089950U)

COOPERATIVE EDUCATION 242 (0-20) Credit: 4.

Prerequisite: Approval of Director of Cooperative Education.

A comprehensive treatment of internship/related activities with individualized learning objectives structured to relate the student's major field of study with the internship position. Regularly scheduled seminars concentrate on long-term employment considerations, including analysis of employee benefits, involvement in labor organizations, social security, insurance needs, retirement and a continuation of career development and evaluation. (089950U)

DEVELOPMENTAL STUDIES

COMMUNICATIONS 031 — Reading Skills (0-3) Credit: 3.

Prerequisite: None.

A special remedial course designed to review the basic principles of word attack skills, analyzing word structure with emphasis on blends, diphthongs, vowel and consonant sounds. A grade of "SP" will be received if course is to be repeated. (150091)

COMMUNICATIONS 032 — Reading Improvement (0-3) Credit: 3.

Prerequisite: None.

A basic developmental reading program designed to improve reading efficiency with emphasis on reading and study skills, comprehension and vocabulary. A grade of "SP" (Satisfactory Progress) will be received if course is to be repeated. (150091)

COMMUNICATIONS 043 — Reading for Non-Native Speakers of English (3-2) Credit: 4.

Prerequisite: None.

A course using varied instructional techniques designed to help the non-native speakers of English improve their proficiency in reading comprehension, word recognition and vocabulary development necessary to pursue college level academic work. (150091)

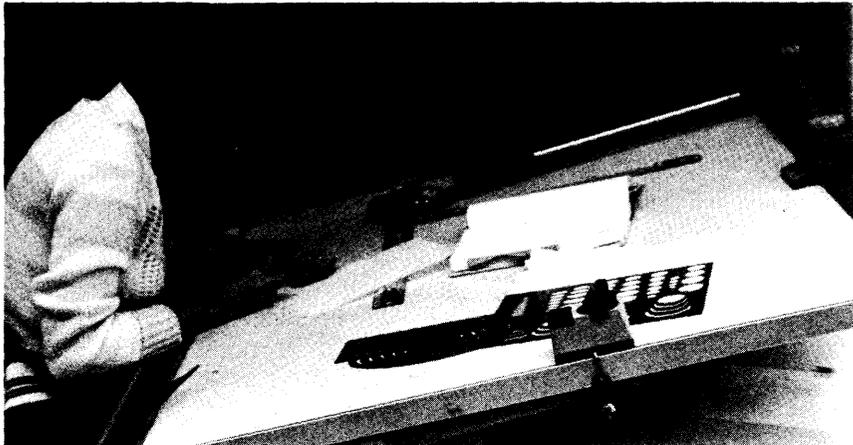
COMMUNICATIONS 131 — Speed Reading (1-2) Credit: 3.

Prerequisite: 8th grade reading ability as indicated by Standardized Test Scores.

The course is designed to enable students:

- (1) To adjust their reading rate to the difficulty of the material and to their own purposes in reading;
- (2) to build self-assurance and skill in dominating a page of print.

The course will permanently improve speed, accuracy of comprehension and thoroughness of retention through innovative techniques that require self-motivation, continuous practice, and supervised instruction. (083002)



DRAFTING

DRAFTING 121 — Sketching and Blueprint Reading I (1-2) Credit: 2.

Prerequisite: None. Lab Fee: \$2.00

A basic course in the reading of mechanical blueprints, along with freehand sketching of simple objects. Primarily for persons employed in mechanical, pipefitting, and related occupations. (8622)

DRAFTING 123 — Sketching and Blueprint Reading II

Plans and Maps

(1-2) Credit: 2.

Prerequisite: None. Lab Fee: \$2.00

The study of house plans and small building plans, topographical and road maps, along with basic sketching. Primarily for persons employed in architectural, engineering, construction, and finance, as well as policemen, firemen, and business and industrial managers. (8622)

DRAFTING 124 — Sketching and Blueprint Reading III

Special Industrial Application

(1-2) Credit: 2.

(i.e., Industrial Engine Mechanics, Refrigeration Mechanics, etc.)

Prerequisite: None. Lab Fee: \$2.00

The study of blueprints as related to the refrigeration and air conditioning fields, along with basic sketching. (8622)

DRAFTING 132 — Machine Drafting

(3-3) Credit: 3.

Prerequisite: Engineering 161. Lab Fee: \$2.00

Theory and practice in the preparation of detail assembly drawings of industrial machinery. Includes a study of fasteners, tolerances, cams and gears, and other design characteristics. (8622)

DRAFTING 134 — Pipe Drafting

(3-3) Credit: 3.

Prerequisite: Engineering 161. Lab Fee: \$2.00

A study of pipes and fittings, designs, symbols and specifications; sizing, process lines, process systems. Practice in the preparation of drawings of flow diagrams, vessels, heat exchangers, pumps, instruments, compressors, and mechanical equipment. (8622)

DRAFTING 135 — Lettering (2-4) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

A study in the fundamentals of lettering with pencil, pen, leroy, wrico, and other mechanical lettering devices; brush, and transfer type as applies to engineering, drafting, and architecture. (8622)

DRAFTING 136 — Charts and Graphs (2-4) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

Study and preparation of illustrations for business charts, graphs, presentations of information in a visual media. (8622)

DRAFTING 231 — Structural Drafting (3-3) Credit: 3.

Prerequisite: Engineering 161. Lab Fee: \$2.00

Theory and practice in the design and development of details and specifications of industrial structures, including wood, steel, pipe and concrete. (8622)

DRAFTING 234 — Map Drafting (3-3) Credit: 3.

Prerequisite: Engineering 161. Lab Fee: \$2.00

Plotting surveyor's notes, plot plans and plats, plan and profile drawing, contours, and well locations. (8622)

DRAFTING 235 — Technical Illustration (3-3) Credit: 3.

Prerequisite: Engineering 161. Lab Fee: \$2.00

Problems in orthographic isometric, perspective, sections, and exploded illustrations. Use of illustration aids. Shading and Airbrush techniques. (8622)

DRAFTING 237 — Freehand Sketching I (2-4) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

Working in pencil, pen, brush to train the eye and hand in visual recording without the aid of mechanical devices. (8622)

DRAFTING 238 — Freehand Sketching II (2-4) Credit: 3.

Prerequisite: Drafting 237, or Consent of Departmental Chairperson. Lab Fee: \$2.00

A continuation of Drafting 237. (8622)

DRAFTING 242 — Special Problems (2-6) Credit: 4.

Prerequisite: Consent of Departmental Chairperson. Lab Fee: \$2.00

A course providing the student with an opportunity to develop additional experience and skills in one of the required drafting fields or to explore an additional specialized field. (8622)

DRAFTING 245 — Architecture I (2-6) Credit: 4.

Prerequisite: Engineering 161. Lab Fee: \$2.00

A study in wood and masonry construction, residential plans, design, working drawings, standards, and building codes. (Formerly Drafting 241) (8622)

DRAFTING 246 — Architecture II (2-6) Credit: 4.

Prerequisite: Drafting 245. Lab Fee: \$2.00

A continuation of Drafting 245. Study in commercial design. (8622)

DRAMA

DRAMA 111, 112, 211, 212 — Rehearsal
and Performance (0-3) Credit: 1.

Prerequisite: None.

For the student who participates in Galveston College Community Theatre productions. Crew, house, costume, wardrobe, properties, lighting experience, as well as leads, bits, walk-ons. Credit to be granted on a point system. (100703)

DRAMA 130 — Introduction to Theatre (3-0) Credit: 3.

Prerequisite: None.

This course is designed for the student who has a limited theatrical experience of knowledge of the theatre, as well as for the student who is not a theatre major but is desirous of developing an appreciation and understanding of the theatre arts. Emphasis will be placed on types of plays, styles of plays, and discussion of theatre practices in the technical areas. (100701)

DRAMA 131 — Basic Production Techniques (3-0) Credit: 3.

Prerequisite: None.

This course is designed to acquaint the student with the basic concepts of

stagecraft and stage management. Participation in the Galveston College Community Theatre productions is a requirement. (100704)

DRAMA 136 — Beginning Acting I (2-3) Credit: 3.

Prerequisite: None.

Emphasis is placed on the elementary training of the student actor beginning with basic stage movement, vocal and physical development through pantomime, improvisation, and scenes in the classroom laboratory. Participation in one production (or student recital) is a requirement. (100706)

DRAMA 137 — Beginning Acting II (2-3) Credit: 3.

Prerequisite: None.

This course is an extension of Drama 136 with the emphasis placed on expanding characterization, ensemble acting and performance techniques. (100706)

DRAMA 236 — Advanced Acting I (2-3) Credit: 3.

Prerequisite: None.

The study of characterization of individual roles and group rehearsal of scenes; styles of acting; and dialect. Application of these principles will be accomplished through a Galveston College theatre production. (100707)



DRAMA 237 — Advanced Acting II

(2-3) Credit: 3.

Prerequisite: Drama 236 or consent of Departmental Chairperson.

An advanced classroom laboratory in which the fundamentals are used to develop characterization and style of acting within a framework of theatre craftsmanship. Participation in one production (or student recital) is a requirement. (100707)

DRAMA 238 — Stage Makeup

(1-2) Credit: 3

Prerequisite: None.

This course is designed to help students to understand the reasons for using stage makeup in theatre, to develop familiarity and dexterity in application of theatrical makeup, and to learn to effect changes in age or in physical conditions utilizing makeup techniques. (100710)



ECONOMICS

ECONOMICS 231 — Principles of Economics I (3-0) Credit: 3.

Prerequisite: Sophomore standing or consent of Departmental Chairperson.

A study of the principles of economics. The factors of production and the concepts of distribution as these factors and concepts are related to our highly industrial economy; wages, interest, rent, profit, consumption, saving, investment, and the business cycle, national income, and fiscal policy. (220401)

ECONOMICS 232 — Principles of Economics II (3-0) Credit: 3.

Prerequisite: Economics 231 or consent of Departmental Chairperson.

A continuation of a study of the principles of economics, of production and of distribution; the fundamentals of supply and demand; labor, capital, natural resources, international trade, economic growth and current economic problems. (220401)

ENGINEERING

ENGINEERING 131 — Engineering Graphics (3-3) Credit: 3.

Prerequisite: None. Lab Fee: \$2.00

A basic course in the principles of Technical Drawing as required to express ideas graphically. Instruction includes use of instruments and drafting equipment, lettering, geometric construction, and orthographic projection. (8622)

ENGINEERING 132 — Engineering Graphics (3-3) Credit: 3.

Prerequisite: Engineering 131 or equivalent. Lab Fee: \$2.00

A continuation of Engineering 131. Instruction includes orthographic projection, sections, auxiliary views, revolutions, dimensioning, isometric projection, intersections and development. (8622)

ENGINEERING 133 — Engineering Design (3-3) Credit: 3.

Prerequisite: Engineering 161, or Engineering 131 and 132, or approval of instructor. Lab Fee: \$2.00

Design process, including needs analysis, feasibility, criteria, synthesis, model analysis, economics, graphics, optimization, and communication. (8622)

ENGINEERING 161 — Engineering Graphics (3-9) Credit: 6.

Prerequisite: None. Lab Fee: \$2.00

A basic course in the principles of technical drawing as required to express ideas graphically. Instruction includes lettering, geometric construction, sections, auxiliary views, revolutions, dimensioning, isometric projection, oblique projection, intersections and development, and the proper use of drafting equipment. Study will touch on blueprint reading, print reduction, and manufacturing processes as they relate to drafting. (8622)

ENGLISH

ENGLISH 031 — Basic Writing Skills (3-0) Credit: 3.

Prerequisite: None. (Not open to F-VISA students)

Sentence and theme writing, including study of elements of grammar, usage, mechanics, and syntax necessary to writing mechanically correct and rhetorically effective sentences and themes. (150092)

ENGLISH 131 — College Composition (3-0) Credit: 3.

Prerequisite: Sixteen (16) or above on English ACT, satisfactory performance on departmental test, TOEFL 550 or successful completion of English 031.

Analysis of selected prose models; impromptu themes; writing rhetorically effective essays, with emphasis on description, narration, and exposition. (150102)

ENGLISH 132 — Composition and Rhetoric (3-0) Credit: 3.

Prerequisite: English 131 or the equivalent.

Logical analysis; reading and writing argumentative and critical essays; summarization; writing the research paper. (150102)

ENGLISH 231 — Survey of English Literature I (3-0) Credit: 3.

Prerequisite: English 132 or the equivalent.

A survey of English literature with selections from Old English, Middle English, The Renaissance, The Seventeenth Century, and The Eighteenth Century; historical background for each period; literary terms; close reading of the text. (150201)

ENGLISH 232 — Survey of English Literature II (3-0) Credit: 3.

Prerequisite: English 132 or the equivalent.

A continuation of English 231. Selections from The Romantic Period, The Victorian Period, and The Modern Period; historical background for each period; literary terms; close reading of the text. (150201)

ENGLISH 233 — Technical Report Writing (3-0) Credit: 3.

Prerequisite: English 132 or the equivalent.

Reading and writing technical reports; practical English for the technical writer; basic techniques in technical writing; writing procedural instructions. (150702)

ENGLISH 234 — Masterpieces of World Literature I (3-0) Credit: 3.

Prerequisite: English 132 or the equivalent.

A study of the masterpieces of the western world from ancient times through the Renaissance; selections from Homer; the Greek tragedians, Plato, Virgil, Dante, Chaucer, and Shakespeare; emphasis on epic, tragedy, and narrative forms. (150306)

ENGLISH 235 — Masterpieces of World Literature II (3-0) Credit: 3.

Prerequisite: English 132 or the equivalent.

A continuation of English 234; selections from the neo-classical to the modern age including works by Milton, Racine, Voltaire, Goethe, French and Russian novelists, and Kafka and Camus; emphasis on continental writers. (150306)

ENGLISH 236 — Introduction to Literature:

The Short Story and Novel

(3-0) Credit: 3.

Prerequisite: English 132 or the equivalent.

A study of the short story, the novella, and the novel as literary forms. Reading, chiefly modern, to develop skills required to read literary materials with most reward. (150301)

ENGLISH 237 — Introduction to Literature:

Drama and Poetry

(3-0) Credit: 3.

Prerequisite: English 132 or the equivalent.

A study of drama and poetry as literary forms. Readings, chiefly modern, to develop skills required to read literary materials with most reward. (150301)

ENGLISH 238 — Selected Studies in Literature:
(Various Topics) (3-0) Credit: 3.

Prerequisite: English 132 or the equivalent.

Intensive reading in single areas unified by period, genre, or theme to develop skills required to read literary materials with most reward. May be repeated for credit when topics change. (150307)

ENGLISH 239 — Creative Writing (3-0) Credit: 3.

Prerequisite: English 131.

The writing of short stories, essays, poetry, and short drama. Survey of the publishing market for freelance writers. Procedure for preparing and submitting queries and manuscripts for publication. (150313)

FINE ARTS

FINE ARTS 111, 112, 113, 114 — Special
Topics and Events (0-1) Credit: 1.

Prerequisite: None.

Introduction to varied aspects of fine arts through lectures, concerts, demonstrations, exhibitions, workshops and discussion. May be repeated four (4) times for credit. (100091)

FINE ARTS 131 — Introduction to
the Arts I (3-0) Credit: 3.

Prerequisite: None.

For general college students. An introductory study of visual art, music and theater arts through special projects and interaction with artists, actors and musicians. (100091)

FIRE PROTECTION TECHNOLOGY

(68)
(6821)

FIRE 131 — Fundamentals of Fire Protection (3-0) Credit: 3.

Prerequisite: None.

History and philosophy of fire protection; review of statistics of loss of life and property by fire; introduction to agencies involved in fire protection; current legislative developments and career orientation; recruitment and training for fire departments; position classification and pay

plans; employee organizations; a discussion of current related problems and review of expanding future fire protection problems. (Formerly Fire 134.) (6821)

FIRE 132 — Industrial Fire Protection I (3-0) Credit: 3.

Prerequisite: None.

Specific concerns and safeguards related to business and industrial organizations. A study of industrial fire brigade organization and development, plant lay-out, fire prevention programs, extinguishing factors and techniques, hazardous situations and prevention methods. Gaining cooperation between the public and private fire department organizations. Study of elementary industrial fire hazards in manufacturing plants. (6821)

FIRE 133 — Fire Protection Systems (3-0) Credit: 3.

Prerequisite: None.

Study of the required standard for water supply; special hazards protection systems; automatic sprinklers and special extinguishing systems; automatic signaling and detection systems; rating organizations and underwriting agencies. (Formerly Fire 133.) (6821)

FIRE 134 — Fire Prevention (3-0) Credit: 3.

Prerequisite: None.

The objectives and views of inspections, fundamental principles, methods, techniques, and procedures of fire prevention administration. Fire prevention organization; public cooperation and image; recognition of fire hazards; insurance problems and legal aspects; development and implementation of systematic and deliberate inspection program. Survey of local, state, and national codes pertaining to fire prevention and related technology; relationship between building inspection agencies and fire prevention organizations. Engineering as a solution to fire hazards. Formerly Fire 231. (6821)

FIRE 135 — Industrial Fire Protection II (3-0) Credit: 3.

Prerequisite: None.

Development of fire and safety organizations in industry; relation between private and public fire protection organizations; current trends, deficiencies and possible solutions for industrial fire problems; role of insurance and other special organizations; an in-depth study of specific industrial processes, equipment, facilities and work practices to under-

stand the potential hazards and techniques to detect and control such hazards. Field trips to selected plants and demonstration of new techniques, equipment and innovations. (6821)

FIRE 231 — Fire Administration I (3-0) Credit: 3.

Prerequisite: None.

An in-depth study of the organization and management as related to a fire department, including budgeting, maintenance of records and reports, and management of fire department officers. Personnel administration and distribution of equipment and personnel and other related topics, including relation to various government agencies to fire protection areas. Fire Service Leadership as viewed from the Company officer's position. Formerly Fire 131. (6821)

FIRE 232 — Fire and Arson Investigation (3-0) Credit: 3.

Prerequisite: None.

A study of the detection of arson, investigation techniques, case histories, gathering and preserving of evidence; preparing for a court case; selected discussion of laws, decisions and opinions; kinds of arsonists, interrogation procedures, cooperation and coordination between fire fighters and arson investigators and other related topics. (Formerly Fire 234.) (6821)

FIRE 233 — Building Codes and Construction (3-0) Credit: 3.

Prerequisite: None.

Fundamental consideration and exploration of building construction and design, with emphasis on fire resistance of building materials and assemblies, exposures, and related data focused on fire protection concerns; review of related statutory and suggested guidelines, both local and national in scope. Review of Model Building Codes and Life Safety Code. (6821)

FIRE 234 — Fire Administration II (3-0) Credit: 3.

Prerequisite: None.

Study to include insurance rates and ratings, preparation of budgets, administration and organization of training in the fire department, city water requirements, fire alarm and communications systems; importance of public relations, report writing and record keeping; measurements of results, use of records to improve procedures, and other related topics; legal aspects relating to fire prevention and fire protection with stress on municipal and state agencies; design and construction of fire department buildings. Formerly Fire 132. (6821)

FIRE 235 — Hazardous Materials I (3-0) Credit: 3.

Prerequisite: None.

Study of chemical characteristics and behavior of various materials that burn or react violently related to storage, transportation, handling hazardous materials, i.e., flammable liquids, combustible solids, and gases. Emphasis on emergency situations and most favorable methods of handling fire fighting and control. (6821)

FIRE 236 — Legal Aspects of Fire Protection (3-0) Credit: 3.

Approved Elective

Prerequisite: None.

A study of legal rights and duties, liability concerns and responsibilities of the fire department while carrying out their duties. Introduction and basic concepts of Civil and Criminal law, the Texas and Federal judicial structure, and cities' liability for acts of the fire department and fire prevention bureaus. An in-depth study of various cases concerning fire fighters, fire departments, and municipalities. (6821)

FIRE 237 — Fire Service Communications (3-0) Credit: 3.

Approved Elective

Prerequisite: None.

The development of fire alarm systems, the various types of systems, installation, operation and testing of the most common systems; receiving, dispatching, and radio communication procedures; F.C.C. regulations, the fire alarm operations office, mutual aid systems, fire station communications and facilities, response and fire ground procedures, emergency operations, code and numbering systems, required records and reports; technological advances. (6821)

FIRE 238 — Fire Safety Education (3-0) Credit: 3.

Approved Elective

Prerequisite: None.

A survey of physical, chemical, and electrical hazards and their relationship to loss of property and/or life. Study of codes, laws, problems, and cases. Detailed examination and study of the physical and psychological variables related to the occurrence of casualties. Safe storage, transportation and handling techniques are stressed to eliminate or control potential risks. (6821)

FIRE 239 — Fire Insurance Fundamentals (3-0) Credit: 3.

Approved Elective

Prerequisite: None.

The relationships between fire defenses, fire losses and insurance rates are studied. Basic insurance principles, fire loss experience, loss ratios, state regulations of fire insurance, key rate system, applying the I.S.O. grading schedule and other topics are stressed. Relationship of insurance to modern business; principles of property and casualty insurance contracts; corporate structure of insurance companies. (6821)

FIRE 241 — Fire Fighting Tactics and Strategy (4-0) Credit: 4.

Prerequisite: None.

Essential elements in analyzing the nature of fire and determining the requirements. Efficient and effective utilization of man-power, equipment and apparatus. Emphasis to be placed on pre-planning, study of conflagration problems, fire ground organization problem solving related to fire ground decision making and attack tactics and strategy. Use of Mutual Aid and large scale command problems. Formerly Fire 232. (6821)

FRENCH

FRENCH 141 — Beginner's French (3-2) Credit: 4.

Prerequisite: None. Lab Fee: \$5.00

Basic French grammar and pronunciation drills; emphasis on reading and conversation; introduction to French literature and culture. (110201)

FRENCH 142 — Beginner's French (3-2) Credit: 4.

Prerequisite: French 141. Lab Fee: \$5.00

Continued grammar drills with emphasis on written and oral composition; also a deeper study of French literature and culture. (110201)

FRENCH 241 — Intermediate French (3-2) Credit: 4.

Prerequisite: French 142. Lab Fee: \$5.00

Review of grammar; emphasis on French literature and composition. (110202)

FRENCH 242 — Intermediate French (3-2) Credit: 4.

Prerequisite: French 241. Lab Fee: \$5.00

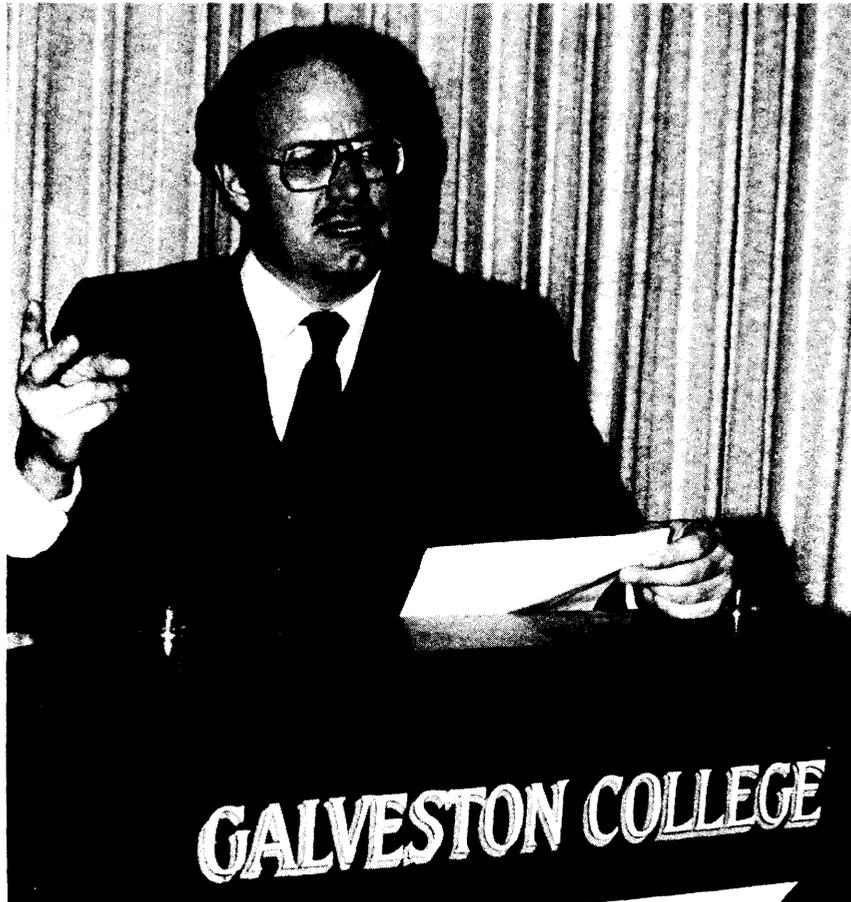
Continued study of French grammar, literature and culture; oral and written composition. (110202)

GEOGRAPHY

GEOGRAPHY 231 — General World Geography (3-0) Credit: 3.

Prerequisite: None.

A study of the various peoples in other parts of the world; the relationship of human activities to the physical environment; map making and map interpretation. (220603)



GOVERNMENT

GOVERNMENT 231 — Federal Government (3-0) Credit: 3.

Prerequisite: None.

Study of the government of the United States, its theory, principles and institutions. Political institutions and ideas, origins and development of the Constitution, principles, political parties, legislative, executive and judicial branches, administration, financing, foreign relations and national defense. (220701)

GOVERNMENT 233 — Survey of American and Texas Government and Constitutions (3-0) Credit: 3.

Prerequisite: None.

THIS COURSE MEETS THE GOVERNMENT REQUIREMENT FOR TEXAS TEACHER CERTIFICATION AND THE GOVERNMENT REQUIREMENT FOR STUDENTS REGISTERED IN VOCATIONAL-TECHNICAL PROGRAMS. (A.A.S. Degree)

Study of the institutions of government and their functions from the local level to the national with particular emphasis on the city, county, and state governments. Examines in detail and on a comparative basis the United States and Texas Constitutions. (220701)

HISTORY

HISTORY 131 — United States History to 1877 (3-0) Credit: 3.

Prerequisite: None.

A study of the political, economic, social and intellectual history of the United States from discovery of America to the end of the Civil War. (220501)

HISTORY 132 — United States History from 1877 (3-0) Credit: 3.

Prerequisite: None.

A study of the political, economic, social and intellectual history of the United States from Reconstruction to the present day. (220501)

HISTORY 231 — Western Civilization (3-0) Credit: 3.

Prerequisite: None.

The political, economic, social and intellectual development of ancient, medieval and early modern civilizations; the ancient East, the contribu-

tions of Greece and Rome, the Church, feudalism, the commercial revolution, the Reformation and the early colonial movements. (220503)

HISTORY 232 — Western Civilization (3-0) Credit: 3.

Prerequisite: None.

The political, economic, social and intellectual developments of modern Western civilization through the changes resulting from expansion and conflict with culture and civilizations native to Asia, Africa, and the New World; the development of nationalism, the industrial revolution, democracy, socialism and the conflicts of the twentieth century. (220503)

HISTORY 233 — History of Texas (3-0) Credit: 3.

Prerequisite: None.

A survey of Texas history from Colonization to the present day. Exploration and rivalry, Anglo-American Colonization, relations with Mexico, the Texas Revolution, Texas as a republic, annexation, statehood, Civil War and Reconstruction, and the political, social, economic and intellectual developments to the modern period. (220502)

**HISTORY 234 — Mexican American History
and Culture** (3-0) Credit: 3.

Prerequisite: None.

The historical, economic, social, cultural, and political development of the Mexican-American people with particular emphasis upon their contribution to American society. (221301)

HUMAN DEVELOPMENT

H.D. 131 — Career and Educational Planning (3-0) Credit: 3.

Prerequisite: None.

Designed to assist the student to identify career interests, personal strengths, and to develop approaches to problems solving in relation to educational and career decision making. College orientation, study skills, self-awareness and career planning will be emphasized. (200091)

INDUSTRIAL ELECTRONICS

Industrial Electronics
(960 Contact Hours)

INDUSTRIAL ENGINE MECHANICS

Industrial Engine Mechanics
(960 Contact Hours)

LAW ENFORCEMENT

LAW ENFORCEMENT 131 — Introduction to
Law Enforcement (3-0) Credit: 3.

Prerequisite: None.

History, development and philosophy of law enforcement in a democratic society; introduction to agencies involved in the administration of criminal justice; career orientation. (7021)

LAW ENFORCEMENT 132 — Police Organization
and Administration (3-0) Credit: 3.

Prerequisite: None.

Principles of organization and management as applied to law enforcement agencies; introduction to concepts of organizational behavior. (7021)

LAW ENFORCEMENT 133 — Police Role in
Crime and Delinquency (3-0) Credit: 3.

Prerequisite: None.

Study of deviant behavior and current criminological theories, with emphasis on police applications; crime prevention and the phenomena of crime as it relates to juveniles. (7021)

LAW ENFORCEMENT 134 — Criminal Investigation (3-0) Credit: 3.

Prerequisite: None.

Introduction to the fundamentals of criminal investigation, including theory and history, conduct at crime scenes, collection and preservation of evidence. (7021)

LAW ENFORCEMENT 135 — Legal Aspects
of Law Enforcement (3-0) Credit: 3.

Prerequisite: None.

History and philosophy of modern criminal law, including the structure, definition and application of statutes and leading case law; the elements of crimes and penalties; general provisions of the Penal Code. (7021)

**LAW ENFORCEMENT 231 — Criminal Procedures
and Evidence (3-0) Credit: 3.**

Prerequisite: None.

Introduction to the rules governing the admissibility of evidence and types of evidence; criminal procedure in various courts, review of Texas Code of Criminal Procedure, including laws of arrest, search and seizure, and leading case law on each topic. (7021)

LAW ENFORCEMENT 232 — Patrol Administration (3-0) Credit: 3.

Prerequisite: None.

Basic philosophy and history of systems dealing with patrol functions, to study the principles of organization and function of the patrol operation and to relate these problems to current operational activities. In-depth study into operational analysis to give students an overview of the role of the patrol function in today's society. Patrol administrative problems are studied and analysis of alternate solutions made. (7021)

LAW ENFORCEMENT 233 — Penology (3-0) Credit: 3.

Prerequisite: None.

Punishment, treatment and prevention of criminality. Sociological analysis of probation, parole and prison administration. (7021)



LAW ENFORCEMENT 234 — Traffic Law (3-0) Credit: 3.

Prerequisite: None.

Knowledge of the basic principles of traffic control, traffic law enforcement and traffic court procedures in the context of Texas traffic laws. Emphasis is placed upon the need for a professional approach in dealing with traffic law violators, the police role in accident prevention and investigation, and the principles of education, enforcement and engineering; traffic supervision. (7021)

LAW ENFORCEMENT 235 — Police-Community Relations (3-0) Credit: 3.

Prerequisite: None.

The role of the individual officer in achieving and maintaining positive public response; inter-group relations and public information. (7021)

MANAGEMENT

MANAGEMENT 131 — Introduction to Management (3-0) Credit: 3.

Prerequisite: None.

Introduction to the fundamentals of supervision. Personal adjustment, human relations and techniques applicable to middle-level management career objectives. (5621)

MANAGEMENT 132 — Supervision and Personnel Administration (3-0) Credit: 3.

Prerequisite: None.

A study of the methods used in business and industry to select and develop middle-level managers. Employee evaluation, placement and follow-up in meeting organizational objectives. (5621)

MANAGEMENT 231 — Human Relations in Management (3-0) Credit: 3.

Prerequisite: None.

A study of internal and external human relations and their effects on the growth and success of all organizations, both public and private. This course seeks the why, what and the how of establishing and maintaining favorable public image in business and management. (5621) (This course replaces Management 231 — Public Relations and Marketing.)

MANAGEMENT 232 — Industrial Management (3-0) Credit: 3.

Prerequisite: None.

Designed to explore key concepts in production and service industries. Areas of study include standardization, specialization, plant location and layout, purchasing and labor-relations. Actual case studies are presented for analysis and decision-making. (5621)

MANAGEMENT 233 — Retail Management (3-0) Credit: 3.

Prerequisite: None.

A study of supervisory problems in retail marketing, employee-retention, advertising media and market analysis. Extensive use of case studies and role-playing. (5621)

MANAGEMENT 234 — Salesmanship (3-0) Credit: 3.

Prerequisite: None.

A study of promotional techniques used in the sale of products and services, with major emphasis on personal selling at a retail and wholesale level. Course will focus on job opportunities in sales management. (5621)

MANAGEMENT 235 — Hospitality Management (3-0) Credit: 3.

Prerequisite: Management 131 and 132, or consent of the Departmental Chairperson.

Deals with personnel recruitment and turnover, training techniques and moral. Keyed to materials and concepts emphasized by national and state professional organizations, with special emphasis on case studies and role-playing. (5621)

MANAGEMENT 236 — Management of Small Business (3-0) Credit: 3.

Prerequisite: Management 131 and 132 or consent of the Departmental Chairperson.

A study of problems and decision making in the establishment and operation of small businesses. Course includes market determinations, organization, financial considerations and risk management. (5621)

MANAGEMENT 237 — Financial Decision Making
in Management (3-0) Credit: 3.

Prerequisite: Management 131 and 132 or consent of the Departmental Chairperson.

Introduction to the various methods of financial aspects involved in management decision-making. Course includes financial statement analysis, budgeting, interpreting variances, taxes, and inventory control. (5621)

MANAGEMENT 113 and 114 — Management Seminar (1-0) Credit: 1.

Prerequisite: Consent of the Departmental Chairperson.

Encompasses student's on-the-job training and group discussions related to work experience. Designed to bridge the gap between the theory of the classroom and application on-the-job. Meets one hour per week. (5621)

MANAGEMENT 121 and 122 — Management
Training (0-20) Credit: 2.

Prerequisite: Consent of the Departmental Chairperson.

On-the-job training and implementation under supervision of the employer in conjunction with the college coordinator of the skills, principles, and understanding obtained in the classroom. At least 20 laboratory hours a week. (5621)

MANAGEMENT 213 and 214 — Management Seminar (1-0) Credit: 1.

Prerequisite: Management 113 and 114.

A continuation of Management 113 and 114.

MANAGEMENT 221-222 — Management Training (0-20) Credit: 2.

Prerequisite: Management 121 and 122.

A continuation of Management 121 and 122. At least 20 laboratory hours a week. (5621)

MATHEMATICS

MATHEMATICS 033 — Introductory Algebra (3-0) Credit: 3.

Prerequisite: None.

A one semester course covering the topics of high school algebra for the student who did not take algebra in high school or needs a review of basic

algebraic concepts. Topics covered will include signed numbers, laws of exponents, operations with polynomials and factoring, simple first degree equations and inequalities. Throughout the course emphasis will be placed on building operational skills. (170091)

MATHEMATICS 034 — Intermediate Algebra (3-0) Credit: 3.

Prerequisite: Math 033 or a passing score in departmental placement test or consent of the Departmental Chairperson.

A brief review of basic algebra with emphasis on operational skills. Topics include factoring, rational exponents and radicals, fractions, inequalities, linear and quadratic equations, and graphing. (170107)

MATHEMATICS 042 — Basic Mathematics (3-2) Credit: 4.

Prerequisite: None.

One semester course designed for students who need to develop or review basic mathematical skills. Topics covered are operations with fractions and decimals; percent, ratio and proportion and their applications; conversion of units, basic geometry and working with formulas. Construction and interpretation of graphs; scientific notation and selected topics from algebra. (170091)

MATHEMATICS 134 — Finite Business Mathematics (3-0) Credit: 3.

Prerequisite: Mathematics 034 or two years high school algebra and a minimum score of 16 on the ACT mathematics sub-test or consent of the Departmental Chairperson.

An introduction to topics from college algebra from the finite point of view with numerous applications to business. The course stresses logic, probability theory, elementary decision theory and matrices. (170113)

MATHEMATICS 135 — Analysis for Business Decision (3-0) Credit: 3.

Prerequisite: Mathematics 134 or consent of the Departmental Chairperson.

An introduction to topics from analytic geometry and calculus as applied to business and economics. Maxima and minima of functions, non-linear curves, linear programming and difference equations. (170113)

MATHEMATICS 138 — Analytic Geometry (3-0) Credit: 3.

Prerequisite: Mathematics 143 or consent of the Departmental Chairperson.

Introductory concepts, the straight line, circle, conics, transformation of coordinates, curve sketching, polar coordinates, parametric equations and an introduction to three dimensions. (170109)

MATHEMATICS 141 — College Algebra (3-2) Credit: 4.

Prerequisite: Mathematics 034 or two years high school algebra and a minimum score of 16 on the ACT mathematics sub-test or consent of the Departmental Chairperson.

An introduction to the basic concepts of modern algebra. Topics are taken from set theory, the development of the number systems, relations, functions, equations, inequalities, determinants, matrices and probability. (170108U)

MATHEMATICS 143 — Plane Trigonometry (3-2) Credit: 4.

Prerequisite: Mathematics 141 or consent of the Departmental Chairperson.

The trigonometric functions and their application, equations and identities; solution of the right triangle and oblique triangle; radian measure and introduction to complex numbers. (170104U)

MATHEMATICS 144 — Technical Mathematics I (3-2) Credit: 4.

Prerequisite: None.

SUGGESTED FOR STUDENTS REGISTERED IN TECHNICAL-VOCATIONAL PROGRAMS.

A course in basic algebra with problems applied to technology. Topics will be taken from basic algebra, linear and quadratic equations, radicals, logarithms, exponentials and introduction to trigonometry. (9421)

MATHEMATICS 149 — Calculus I (3-2) Credit: 4.

Prerequisite: Mathematics 138 or consent of the Departmental Chairperson.

Limits, definition of the derivative, derivatives of algebraic functions, differentials, applications of derivatives, maxima and minima, the mean value theorem, introduction to integration, definite and indefinite integrals. (170110)

MATHEMATICS 233 — Mathematics for Elementary
School Teachers I (3-0) Credit: 3.

*Prerequisite: Mathematics 042 or a score of 15 or above on the ACT
Mathematics sub-test.*

Set theory, history of numeration, system of natural numbers, integers
and rational numbers with emphasis on the fundamental algorithms of
arithmetic. Designed for elementary education majors. (170117)

MATHEMATICS 234 — Mathematics for Elementary
School Teachers II (3-0) Credit: 3.

Prerequisite: Mathematics 233.

A continuation of Mathematics 233 completing the real number system.
Deductive and inductive proof. Metric and non-metric geometry with
emphasis on construction. Congruence relations, fields, introduction to
probability, statistics and graphing. (170117)

MATHEMATICS 236 — Linear Algebra (3-0) Credit: 3.

Prerequisite: Calculus II or permission of Departmental Chairperson.

Vector spaces, linear transformations, matrix algebra, determinants,
products, systems of linear equations, products and eigen-values prob-
lems. (170115)

MATHEMATICS 237 — Differential Equations (3-0) Credit: 3.

*Prerequisite: Mathematics 241 or consent of Departmental Chairper-
son.*

Differential equations of the first order and degree. Linear differential
equations of higher order and degree, solution and applications, solution
using graphical and numerical methods, Laplace transforms, non-linear
equations, series methods. (170116)

MATHEMATICS 241 — Calculus II (3-2) Credit: 4.

*Prerequisite: Mathematics 149 or consent of the Departmental Chair-
person.*

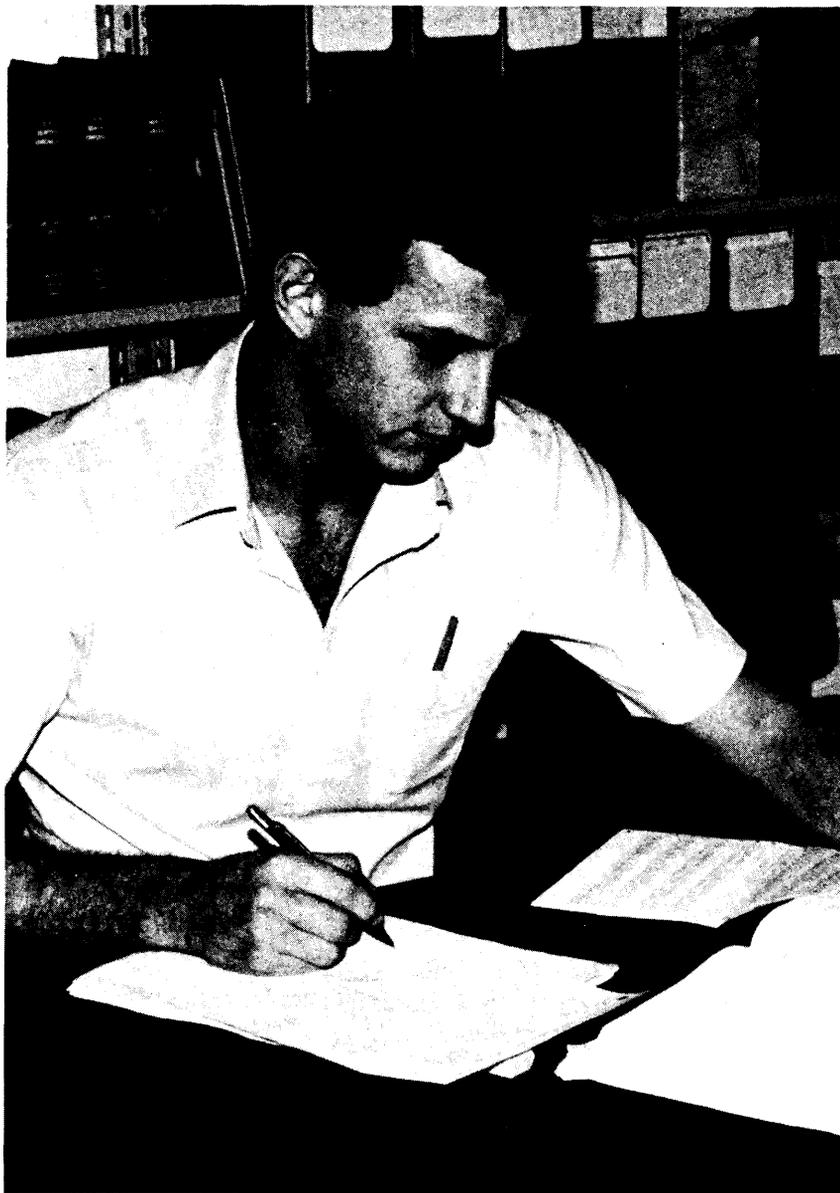
Differentiation and integration of transcendental functions, methods of
integration for more complex functions, hyperbolic functions, and intro-
duction to vectors and partial differentiation. Applications of integra-
tion, polar coordinates. (170110)

MATHEMATICS 242 — Calculus III

(3-2) Credit: 4.

Prerequisite: Mathematics 241.

Partial differentiation, line integrals, multiple integrals, infinite series and an introduction to differential equations. (170110)



MINI-COURSE IN CLERICAL OCCUPATIONS

(Three Month Certificate Program)

MUSIC

(Applied Courses)

Individual instruction will be offered in the following areas:

- MUSIC 111-112** — Applied Voice (100421) (0-1) Credit: 1.
MUSIC 113-114 — Applied Piano (100420) (0-1) Credit: 1.
MUSIC 117-118 — Applied Organ (100420) (0-1) Credit: 1.
MUSIC 1105-1106 — Applied Brass (100416) (0-1) Credit: 1.
(Trumpet, Trombone, French Horn, Tuba, Baritone, Sousaphone, and others)
MUSIC 1107-1108 — Applied Woodwinds (100419) (0-1) Credit: 1.
(Flute, Oboe, Clarinet, Saxophone, Piccolo, and Others)
MUSIC 1109-1110 — Applied Strings (100417) (0-1) Credit: 1.
(Violin, Viola, Cello, Bass, Harp, Guitar, and others)

Prerequisites: None — Except for Organ (prior keyboard experience is necessary.) Courses are to be taken in numerical sequence. Individual Instruction Fee: \$30.00 per course.

Each course requires memorization of literature and an oral jury at the end of the semester. May be taken for non-credit upon approval of instructor.

- MUSIC 121-122** — Applied Voice (100421) (0-2) Credit: 2.
MUSIC 123-124 — Applied Piano (100420) (0-2) Credit: 2.
MUSIC 127-128 — Applied Organ (100420) (0-2) Credit: 2.
MUSIC 1209-1210 — Applied Strings (100417) (0-2) Credit: 2.
(Violin, Viola, Cello, Bass, Harp, Guitar, and others)

Prerequisite: None — Except for Organ (prior keyboard experience is necessary). Courses to be taken in numerical sequence. Individual Instruction Fee: \$60.00 per course.

A greater quantity of literature is to be studied and memorized.

- MUSIC 211-212** — Applied Voice (100421) (0-1) Credit: 1.
MUSIC 213-214 — Applied Piano (100420) (0-1) Credit: 1.
MUSIC 217-218 — Applied Organ (100420) (0-1) Credit: 1.
MUSIC 2109-2110 — Applied Strings (100417) (0-1) Credit: 1.

Prerequisites: Two semesters of freshman level applied courses must be passed. Courses to be taken in numerical sequence. Individual Instruction Fee: \$30.00 per course.

An advanced degree of difficulty and greater quantity of new literature to be studied and memorized.

MUSIC 221-222 — Applied Voice (100421)	(0-2) Credit: 2.
MUSIC 223-224 — Applied Piano (100420)	(0-2) Credit: 2.
MUSIC 227-228 — Applied Organ (100420)	(0-2) Credit: 2.
MUSIC 2209-2210 — Applied Strings (100417)	(0-2) Credit: 2.

Prerequisite: Two semesters of freshman level applied courses must be passed. Courses to be taken in numerical sequence. Individual Instruction Fee: \$60.00 per course.

An advanced degree of difficulty and greater quantity of new literature to be studied and memorized.

(Ensembles)

MUSIC 115, 116, 215, 216 — Instrumental Ensemble (0-3) Credit: 1.

Prerequisite: None. Required of music majors. Others by audition.

Open to all instrumentalists. Group will vary from band to stage band to dance band to combo to orchestra as number and competence of players changes. Could be taken for non-credit upon approval of instructor. (100423)

MUSIC 1101, 1102, 2101, 2102 — Choir (0-5) Credit: 1.

Prerequisite: None. Required of music majors. Others by audition.

Open to all singers. Choral literature of all periods and styles rehearsed and performed in concert. Also performs for various campus and community functions. (100424)

MUSIC 1103, 1104, 2103, 2104 — Opera Workshop (0-3) Credit: 1.

Prerequisite: None. Required of music majors. Others by audition.

A course established to give the singing actor practical operatic experience in the performance of portions of/or complete operas; study of integration of music, acting and staging an opera from a practical approach. (100407)

MUSIC 1111, 1112, 2111, 2112 — Grand Chorus (0-3) Credit: 1.

Prerequisite: None.

Open to all singers. Major choral literature will be rehearsed and performed in concert. (100424)

(Academic Courses)

MUSIC 1301 — Music Appreciation (3-0) Credit: 3.

Prerequisite: None.

For the non-music major. Chronological survey of musical highlights from antiquity to the present. Listening to recorded examples. Attendance at local concerts required. (100601)

**MUSIC 1302 — Basic Music for
Elementary Education Majors** (3-0) Credit: 3.

Prerequisite: None.

The study of fundamentals of music, including major and minor scales, rhythm, chords, singing, listening, conducting patterns, instrumental accompaniments, and selection of materials for the teacher in the self-contained classroom. (083201)



MUSIC 1303 — Fundamentals of Music (3-0) Credit: 3.

Prerequisite: None.

An introduction to the elements of music, including a study of the staff, clefs, key signatures, scales, time signatures, notation, meter and rhythm, sight-singing, major and minor chords, intervals within the octave, application of theory at the piano keyboard and rhythm, melodic and harmonic eartraining. Recommended for students desiring a basic course in musical skills. Required of music majors deficient in these basic skills. (100501)

MUSIC 141 — Music Theory I (3-3) Credit: 4.

Prerequisite: None.

Elementary melodic patterns, sight singing, intervals; elementary rhythmic patterns, rhythmic reading; notation; simple triads in all keys, their inversions, simple cadences. Aural, written and keyboard exercises integrated. (100401)

MUSIC 142 — Music Theory II (3-3) Credit: 4.

Prerequisite: Music 141.

Intermediate sight singing, rhythmic reading; completion of triads and dominant seventh chords, their inversions. Melodic and harmonic dictation, all scales; beginning partwriting. (100403)

MUSIC 231 — Music Literature I (3-1) Credit: 3.

Prerequisite: None.

For the Music Major. A chronological study of musical styles from antiquity through the sixteenth century. Listening to recorded examples. Attendance at local concerts required. (100602)

MUSIC 232 — Music Literature II (3-1) Credit: 3.

Prerequisite: None.

A continuation of Music 131. From the seventeenth century to the present. Listening to recorded examples. Attendance at local concerts required. (100602)

MUSIC 241 — Music Theory III (3-3) Credit: 4.

Prerequisite: Music 142.

Advanced partwriting, keyboard, sight-singing and ear training. A continuation of the study of the fundamentals of music. (100404)

MUSIC 242 — Music Theory IV

(3-3) Credit: 4.

Prerequisite: Music 241.

A continuation of materials covered in Music 241. (100404)



NUCLEAR MEDICINE TECHNOLOGY

**NMT 111-112 — Nuclear Medicine Clinical
Practicum I, II** (0-8) Credit: 1.

Prerequisite: Enrollment in the Nuclear Medicine Technology Program and permission of NMT Program Director.

These laboratory courses are designed to introduce the beginning nuclear medicine technology student to the clinical practice of nuclear medicine. Students will rotate within a clinical nuclear medicine facility and observe all related patient procedures. Students are expected to become proficient in the performance of general supportive procedures such as patient handling and instrument calibration. (8038)

NMT 121 — Radiopharmacology (2-0) Credit: 2.

Prerequisite: Enrollment in the Nuclear Medicine Technology Program and permission of NMT Program Director.

The course covers basic concepts of radiochemistry, radiopharmaceutical production and quality assurance. Special emphasis will be placed on quality assurance and radiation safety relevant to radiopharmaceutical production, use and disposal in a nuclear medicine laboratory. (8038)

**NMT 131-132 — Nuclear Medicine
Methodology I, II** (3-0) Credit: 3.

Prerequisite: Enrollment in the Nuclear Medicine Technology Program and permission of NMT Program Director.

These courses will concentrate on the basic principles involved in all diagnostic and therapeutic tests and procedures normally found in a nuclear medicine facility. Each nuclear medicine test and procedure will be studied relative to anatomy, physiology, pathology, radiopharmaceuticals, instrumentation, data analysis, and diagnostic value. (8038)

NMT 141 — Nuclear Instrumentation (3-2) Credit: 4.

Prerequisite: Enrollment in the Nuclear Medicine Technology Program or permission of NMT Program Director and successful completion of RHS 122. Lab Fee: \$4.00.

This course covers theory and application of electronic instrumentation used in the detection and analysis of ionizing radiations. Special emphasis will be placed on gamma spectrometry and quality assurance relevant to nuclear medicine instruments. A two hour per week associated labo-

ratory will provide students with an opportunity to learn how to use radiation detection instruments relative to calibration, spectrometry, and data acquisition. (8038)

**NMT 231-232-233 — Nuclear Medicine
Methodology III, IV, V** (3-0) Credit: 3.

Prerequisite: Enrollment in the Nuclear Medicine Technology Program or permission of NMT Program Director.

These laboratory courses are a continuation of NMT 131 and 132. The last course (NMT 233) will also include a comprehensive review of all courses and practicums in preparation for the professional certifying boards. (8038)

**NMT 243 — Nuclear Medicine Clinical
Practicum V** (0-30) Credit: 4.

Prerequisite: Enrollment in the Nuclear Medicine Technology Program or permission of NMT Program Director plus successful completion of NMT 262.

This laboratory course is a continuation of NMT 261 and 262. In addition, this course will allow students an opportunity to specialize in a particular area of interest. Students are expected to become proficient in the performance of all nuclear medicine tests and procedures encountered during their hospital experience with minimal supervision. (8038)

**NMT 261-262 — Nuclear Medicine
Clinical Practicum III, IV** (0-32) Credit: 6.

Prerequisite: Enrollment in the Nuclear Medicine Technology Program or permission of NMT Program Director plus successful completion of NMT 112.

These laboratory courses will provide nuclear medicine students with highly specialized instruction and experiences in the performance of the various tests and procedures normally found in a clinical nuclear medicine facility. Students will spend 32 hours per week in a clinical nuclear medicine facility to accomplish these objectives. Students are expected to become proficient in the performance of the more routine nuclear medicine tests and procedures. (8038)

NURSE ASSISTANT

(480 Clock Hours)

NURSING — ASSOCIATE DEGREE

NURSING 161 — Introduction to Nursing (3-9) Credit: 6.

Prerequisite: Admission into the Associate Degree Nursing Program. A grade of "C" or better in or concurrent enrollment in:

Galveston College	Brazosport College
Chemistry 144	Chemistry 134
Biology 143	Biology 144

Lab Fee: \$8.00

This course relates the concept of man as a bio-psycho-social being to nursing. Maslow's theory is utilized in assessing the basic needs of man. Nursing principles and technical skills taught in the classroom, college and clinical laboratories are confined to basic overt observations and actions. Nursing process is introduced with theoretical and clinical emphasis on activities of daily living, nutrition, administration of medications, communication skills and nursing accountability. (8021)

NURSING 162 — Nursing Care of Adults with Medical/Surgical Problems I (3-9) Credit: 6.

Prerequisite: Nursing 161, Chemistry 143 or 134, Biology 143 or 144. A grade of "C" or better in or concurrent enrollment in:

Galveston College	Brazosport College
Biology 144	Biology 154
Biology 245	Biology 214

Lab Fee: \$8.00

Nursing Care of Adults with Medical/Surgical Problems I is designed to provide the student with theoretical and clinical learning experiences in the utilization of the nursing process as it relates to the nursing care of hospitalized adults. The content presented is organized around general and specific bio-psycho-social problems of hospitalized adults. (8021)

NURSING 153 — Nursing Care of Patients with Impaired Interpersonal Relationships (3-6) Credit: 5.

Prerequisite: Nursing 162 and Psychology 231 or Psychology 213. Lab Fee: \$8.00.

This course includes both a theoretical and clinical emphasis on utilization of the nursing process in the care of patients whose interpersonal relationships are perceived as unacceptable by individuals and/or their society.

In this endeavor, the student is introduced to various historical psychiatric approaches and treatments, theories of personality, interviewing techniques and analysis of communicative behavior. Also, the various steps of the nursing process are related to nursing care of psychiatric patients within specific diagnostic categories and problem areas. Finally, the legal aspects of admission and treatment are considered. (8021)

NURSING 261 — Nursing Care of the Adult II (3-9) Credit: 6.

Prerequisite: Nursing 153, Biology 144 or Biology 245. Lab Fee: \$8.00

Nursing Care of Adults with Medical/Surgical Problems II is a continuation of Nursing Care of Adults with Medical/Surgical Problems I. In this course the student is provided with opportunities to build on the knowledge and skills acquired in the previous courses in the utilization of the nursing process as it relates to the care of hospitalized adult patients with specific health problems. The content presented provides the students with opportunities to expand their knowledge not only of general but also specific bio-psycho-social problems of hospitalized adults. (8021)

NURSING 252 — Nursing Care of Adults With Medical/Surgical Problems III (2-9) Credit: 5.

Prerequisite: A grade of "C" or better in or concurrent enrollment in: Nursing 261. Lab Fee: \$8.00.

Nursing Care of Adults with Medical/Surgical Problems III builds on the theoretical knowledge and clinical skills achieved in Nursing Care of Adults with Medical/Surgical Problems I. The course is designed to provide the student with theoretical knowledge and clinical experience in the nursing care of hospitalized patients with complex health problems. The primary focus of the course is the utilization of the nursing process, not only in caring for patients with complex health problems but also in caring for more than one patient. (8021)

NURSING 213 — Nursing Seminar (1-0) Credit: 1.

Prerequisite: A grade of "C" or better in or concurrent enrollment in: Nursing 252.

This course delineates the role and function of the staff nurse. Standards of practice; societal forces affecting the past, present and future of nursing; and functions of nursing organizations discussed. Methods used by the staff nurse in providing care for groups of patients over a period of time are explored. (8021)

NURSING 264 — Nursing Care of
Child Bearing Families (3-9) Credit: 6.

Prerequisite: Nursing 261, 252, 213. Lab Fee: \$8.00

This course focuses on the application of the nursing process in the care of parents and neonates during the phases of the childbearing cycle. Based on an understanding of the bio-psycho-social well-being of families, nursing care of mothers and neonates will be explored in both theory and clinical settings. Family planning, care of high risk patients and use of anticipatory guidance principles are included. (8021)

NURSING 265 — Nursing Care of Children (3-9) Credit: 6.

Prerequisite: Nursing 252, 261, 213 and Psychology 231 or Psychology 213. Lab Fee: \$8.00

Nursing Care of Children focuses on the nursing care of the child and the family during the child rearing years. Emphasis is placed on implementing the nursing process in children. Care for the child is based on an understanding of the bio-psycho-social well-being of children which includes growth and development. This course also promotes an understanding of the health-illness continuum and the need for health maintenance. Care of children from infancy (including neonatal congenital anomalies) through adolescence will be explored both in theory and in the clinical setting. (8021)

NURSING — VOCATIONAL

(Vocational Nursing Program)
(1 Year Program)

OFFICE OCCUPATIONS

OFFICE MACHINES 131 — Office Machines I (3-0) Credit: 3.

Prerequisite: Business Mathematics 133, or consent of the Departmental Chairperson. Lab Fee: \$5.00

A course designed to teach the student to learn the touch system on the electronic calculator, including addition, subtraction, multiplication, and division, and how to apply the operational theory of the electronic calculator to solving business problems. A laboratory type course. (5824)

OFFICE MACHINES 132 — Office Machines II (3-0) Credit: 3.

Prerequisite: Office Machines 131, or consent of the Departmental Chairperson. Lab Fee: \$5.00

Development of speed and accuracy at the vocational level on the electronic calculator. Practical application of theory to business problems in student's area of specialization by use of practice sets and projects. A laboratory type course. (5824)

MACHINE TRANSCRIPTION 231 — Machine Transcription (3-0) Credit: 3.

Prerequisite: Typewriting 142 or equivalent, or consent of the Departmental Chairperson. Lab Fee: \$5.00

Basic principles of machine transcription, including the development of skills by using various transcribing equipment units for the production of mailable copy. Emphasis is placed on spelling, punctuation, proofreading and capitalization as applied to transcription and machine usage. (5824)



OFFICE MACHINES 132 — Office Machines II (3-0) Credit: 3.

Prerequisite: Office Machines 131, or consent of the Departmental Chairperson. Lab Fee: \$5.00

Development of speed and accuracy at the vocational level on the electronic calculator. Practical application of theory to business problems in student's area of specialization by use of practice sets and projects. A laboratory type course. (5824)

OFFICE PROCEDURES 231 — Introduction to Word Processing (3-0) Credit: 3.

Prerequisite: Typewriting 142 or consent of the Departmental Chairperson. Lab Fee: \$5.00

An introductory course covering the history, background, equipment, and functions of word processing as it pertains to today's business world; includes guest speakers and field trips to observe equipment and methods of use. Students will also learn to operate the Magnetic Tape Selectric Typewriter. (5824)

OFFICE PROCEDURES 232 — Office Procedures (3-0) Credit: 3.

Prerequisite: Typing 141 or consent of the Departmental Chairperson. Lab Fee: \$5.00

A course designed for orienting the office worker to the business world; including the study of communication and transportation services, mailing procedures, using sources of information, records management, personality development, meeting the public and job finding. A laboratory-type course. (5824)

OFFICE PROCEDURES 234 — Special Problems (2-2) Credit: 3.

Prerequisite: Consent of Departmental Chairperson. Lab Fee: \$4.00

A course designed to provide the student with an opportunity to develop additional experience and skills in the office field. (5824)

OFFICE PROCEDURES 237 — Word Processing Machine Application (1-4) Credit: 3.

Prerequisite: Typewriting 142 or consent of the Departmental Chairperson.

A course designed to teach word processing machine functions and operator skills. Course will cover all the functions of the machine and

supplementary application problems to test operator knowledge. After satisfactorily completing the course, student should be qualified to be employed as an entry level word processing machine operator. (5824)

PHILOSOPHY

PHILOSOPHY 131 — Introduction to Philosophy (3-0) Credit: 3.

Prerequisite: None.

A survey course designed to acquaint the student with some of the fundamental problems in philosophy and with the methods used to deal with them. Some principle views, both ancient and modern, are examined as possible solutions. (150901)

PHILOSOPHY 233 — Introduction to Logic (3-0) Credit: 3.

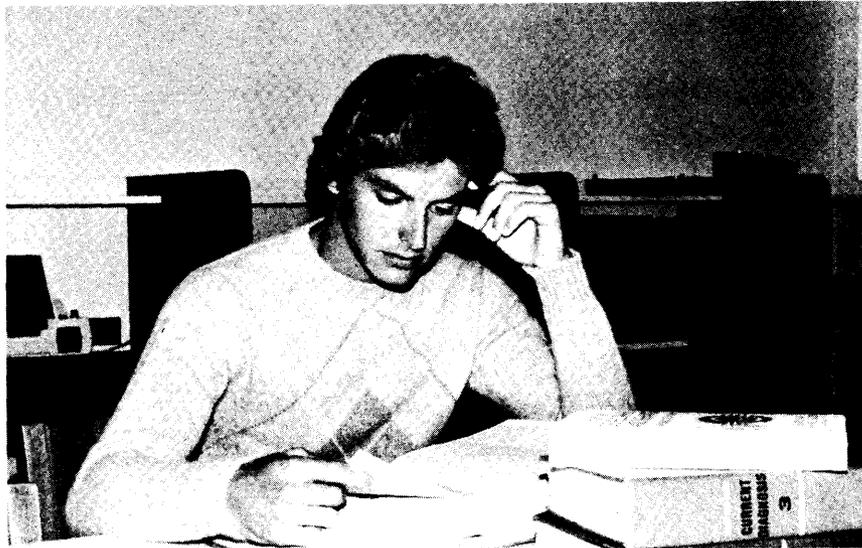
Prerequisite: None.

Principles of correct reasoning; use of language; material and formal fallacies; Venn diagrams; truth tables; deduction; induction; symbolic notations. (150903)

PHILOSOPHY 234 — Introduction to Ethics (3-0) Credit: 3.

Prerequisite: None.

A study of basic principles of the normal life with critical examination of traditional and current theories of the nature of goodness, happiness, duty, and freedom. (150902)



PHYSICAL EDUCATION

(Theory Courses)

PHYSICAL EDUCATION 131 — Foundation of Physical Education and Recreation (3-0) Credit: 3.

Prerequisite: None.

An orientation course in physical education aimed at providing prospective teachers and coaches of physical education with a general concept of the total physical education program. Course includes historic development, educational values, as well as personal and professional qualifications. (083501)

PHYSICAL EDUCATION 231 — Personal Health (3-0) Credit: 3.

Prerequisite: None.

A course in current health problems pertinent to college level individuals. Emphasis is upon improved ways of living. This course is designed primarily for students majoring in physical education. (083708)

PHYSICAL EDUCATION 232 — First Aid and Safety (3-0) Credit: 3.

Prerequisite: None.

This course is designed for men and women who wish to qualify to teach American National Red Cross Standard First Aid and Safety and Cardiopulmonary Resuscitation. Upon successful completion of this course, the American National Red Cross Instructor's Certifications will be issued. (083701)

PHYSICAL EDUCATION 233 — Sports Officiating (3-0) Credit: 3.

Prerequisite: None.

Instructions in officiating football. (083512)

ACTIVITIES

PHYSICAL EDUCATION 1101-1103, 2101-2103 — Archery and Badminton I, II, III, IV (1-2) Credit: 1.

Prerequisite: None. Courses to be taken in numerical sequence or consent of Departmental Chairperson. Lab Fee: \$5.00

Instruction and practice in the techniques and skills required for Archery and Badminton. (083521) (083522)

PHYSICAL EDUCATION 1102-2102-2106 —
Bowling I, II, III (1-2) Credit: 1.

Students are required to pay their own lane fees.

Prerequisite: None: Courses to be taken in numerical sequence or consent of Departmental Chairperson.

Bowling I is designed for both the beginner and the advanced bowler. After a four-week instruction period, including the approach and technique of bowling, a class league will be formed. Students will receive experience in league etiquette, procedure and scoring. Bowling II and III will include supervised practice and participation in the skills of bowling. (083521) (083522)

PHYSICAL EDUCATION 1104, 1105-2104, 2105 —
Golf I, II, III, IV (1-2) Credit: 1.

Students are required to pay their own green fees.

Prerequisite: None. Courses to be taken in numerical sequence or consent of Departmental Chairperson. Lab Fee: \$5.00

Instruction and practice in the techniques and skills required for the game of golf. (083521) (083522)

PHYSICAL EDUCATION 1106 — Physical Education for
Elementary School Teachers — Basic Skills (1-2) Credit: 1.

Prerequisite: None. Lab Fee: \$5.00

A general orientation to physical education in the elementary school with specific instruction and participation in fundamental movements, basic skills, games, stunts, etc. (083504)

PHYSICAL EDUCATION 1107 — Physical Education for
Elementary School Teachers — Rhythms (1-2) Credit: 1.

Prerequisite: None. Lab Fee: \$5.00

A general orientation to physical education in the elementary school with specific instruction and participation in fundamental movements, basic dance steps, movement exploration and creative rhythms. (083504)

PHYSICAL EDUCATION 1110-1111-2110-2111 —

Swimming I, II, III, and IV

(1-2) Credit: 1.

Prerequisite: None. Courses to be taken in numerical sequence or consent of Departmental Chairperson. Lab Fee: \$5.00

Swimming I includes demonstration, lectures and practice in the fundamental techniques of swimming, including breath control, prone float, back float, breast stroke and crawls. Swimming II is designed for the advanced swimmer and will include synchronized strokes, racing, games, and diving. Swimming III is a Standard Red Cross Senior Life Saving course. Upon successful completion of the course, the appropriate Red Cross Life Saving Certificate is issued. Swimming IV is designed for experienced swimmers only and will include distance swimming for strength and endurance. (083521) (083522)

PHYSICAL EDUCATION 1112-2112-2114 —

Team Sports I, II, III

(1-2) Credit: 1.

Prerequisite: None. Courses to be taken in numerical sequence or consent of Departmental Chairperson. Lab Fee: \$5.00

This course consists of two nine week sessions of instruction and practice in the basic skills of any two of the following sports: basketball, football, soccer, softball, and volleyball. (083521) (083522)



PHYSICAL EDUCATION 1113-2113-2116 —

Tennis I, II, III

(1-2) Credit: 1.

Prerequisite: None. Courses to be taken in numerical sequence or consent of Departmental Chairperson. Lab Fee: \$5.00

Instruction and practice in the techniques and skills required for the game of tennis. (083521) (083522)

PHYSICAL EDUCATION 1117-1118-2117-2118 —

Weight Training I, II, III, IV

(1-2) Credit: 1.

Prerequisite: None. Courses to be taken in numerical sequence or consent of the Departmental Chairperson. Lab Fee: \$5.00

Weight training provides for a program of exercise with weights to improve physical development and motor skills. (083521) (083522)

PHYSICAL EDUCATION 1120-1121-2119-2121 —

Slimnastics I, II, III, IV

(1-2) Credit: 1.

Prerequisite: None. Courses to be taken in numerical sequence or consent of the Departmental Chairperson.

A course designed to develop and maintain a high level of cardiovascular fitness, flexibility, and muscular strength through aerobic dance, rope jumping, and conditioning exercises. (083521)

PHYSICAL EDUCATION 1123-1124-2123-2124 —

Varsity Tennis I, II, III, IV

(1-2) Credit: 1.

Prerequisite: None. Courses to be taken in numerical sequence or consent of the Departmental Chairperson.

Varsity Tennis is designed for the skilled player who wishes to compete on a collegiate level. Emphasis will be placed on perfecting skills and techniques of the game. (083521) (083522)

PHYSICAL EDUCATION 1125-1126-2125-2126 —

Varsity Golf I, II, III, IV

(1-2) Credit: 1.

Prerequisite: None. Courses are to be taken in numerical sequence or consent of the Departmental Chairperson.

Varsity Golf is designed for the skilled golfer who wishes to compete on a collegiate level. Emphasis will be placed on perfecting skills and techniques of the game. (083521) (083522)

PHYSICAL EDUCATION 1129-1130 — Social

Dance I, II(1-2) Credit: 1.

Prerequisite: None. Courses to be taken in numerical sequence or consent of the Departmental Chairperson.

A course designed to teach the basic traditional and country-western dance steps. Dances to be taught include the cotton-eye-joe, the Polka, the Waltz, the Swing, the Fox Trot, the Rhumba, and the Cha-Cha. (083521)

PHYSICAL EDUCATION 1133-1134-2133-2134 —

Jogging (Physical Fitness) I, II, III, IV (1-2) Credit: 1.

Prerequisite: Medical Clearance.

A course designed to develop and maintain a high level of cardiovascular fitness. Emphasis is on the establishment and continuation of individual fitness programs. (083521) (083522)



PHYSICAL EDUCATION 2107-2108 —

Sailing I and II

(1-2) Cr dit: 1.

Prerequisite: Must be able to pass a swimming test. Courses to be taken in numerical sequence or consent of the Departmental Chairperson.

Individual Instruction Fee: \$10.00

Sailing I includes the fundamentals in rigging and securing small craft, introduction to nautical terms, care of equipment, and learning to sail. Sailing II will include supervised practice in the handling of a sailboat. Racing competition will also be included. (083522)

PHYSICAL EDUCATION 2120 — Skin and

Scuba Diving

(1-2) Credit: 1.

Students are required to pay for their own certification card.

Prerequisite: Must be able to demonstrate average swimming ability. Individual Instruction Fee: \$15.00

The course will include the fundamentals of skin diving and the use of scuba diving equipment. Basic skills include using the face mask, snorkel, and fins; proper form for surface diving and doffing and donning of scuba equipment. Safety procedures will be stressed. Upon completion of the written and performance requirements by the Professional Association of Diving Instructors, students will be issued a P.A.D.I. certification card. (083522)



PHYSICAL SCIENCES

PHYSICAL SCIENCE 032 — Introduction to
Physical Sciences

(3-0) Credit: 3.

Prerequisite: None.

Introductory course for those without prior training in chemistry. Covers basics of atomic and molecular structure; acids, bases, and salts; aqueous solutions; chemical reactions, including oxidation and reduction; chemical and other types of energy; organic chemistry and biochemistry. (190091)

PHYSICS

PHYSICS 241 — General Physics I

(3-3) Credit: 4.

Prerequisite: Mathematics 141 or equivalent. Lab Fee: \$8.00

Force and motion, work, energy and power, circular motion, momentum, vibratory motion, properties of solids and liquids, fluid mechanics, heat, sound and molecular theory of matter. (190201)



PHYSICS 242 — General Physics II (3-3) Credit: 4.

Prerequisite: Physics 241. Lab Fee: \$8.00

Continuation of Physics 241. Optics, reflection, refraction, interference, diffraction and polarization. Electric charges and fields, potential, capacitance, electric currents, magnetic fields and selected topics in modern physics. (190201)

PHYSICS 243 — Mechanics (3-3) Credit: 4.

Prerequisite: Credit for, or registration in Calculus I. Lab Fee: \$8.00

THIS COURSE IS DESIGNED PRIMARILY FOR STUDENTS OF SCIENCE AND ENGINEERING.

Vectors, motion in one dimension, motion in a plane rotational, motion, oscillatory motion, work energy, power and momentum, conservation laws and applications, fluid mechanics, gravitation, heat. (190202)

PHYSICS 244 — Electricity and Magnetism (3-3) Credit: 4.

Prerequisite: Physics 243. Lab Fee: \$8.00

Charge, electric field and potential, capacitance, dielectrics, resistance and inductance, electric circuits, magnetic field and induction, radiation. (190202)

PHYSICS 245 — Oscillations, Waves and Modern Physics (3-3) Credit: 4.

Prerequisite: Physics 243. Lab Fee: \$8.00

Oscillations and waves with application to light and sound, interference, diffraction and polarization of waves. Selected topics in modern physics. (190203)

PRINTING (Offset)

PRINTING 118 — Pricing and Estimating (1-0) Credit: 1.

Prerequisite: None.

This course is designed to acquaint the students with usual estimating and pricing practices used in the graphic arts industry. (6238)

PRINTING 124 — Copy Preparation I (1-3) Credit: 2.

Prerequisite: None. Lab Fee: \$5.00

This course is the study of the basic operations of the Varsityper, Headliner, and IBM Composer. The student learns to select type, copyfit, justify, proofread, correct copy and to produce camera-ready copy. (6238)

PRINTING 132 — Offset Press Operation I (1-6) Credit: 3.

Prerequisite: None. Lab Fee: \$5.00

This is a course in basic offset printing methods and applications. This course includes studies in terminology, papers and inks, offset duplicator operation including study of the feeder mechanism, feeder set-up and adjustment, delivery system, water and ink system, printing unit and maintenance. (6238)

PRINTING 133 — Camera, Stripping and Platemaking I (2-4) Credit: 3.

Prerequisite: None. Lab Fee: \$5.00

This course is designed to give the student complete mastery of line and halftone negatives, a good knowledge of stripping, opaqueing, scribing and platemaking. (6238)

PRINTING 135 — Offset Press Operation II (1-6) Credit: 3.

Prerequisite: Printing 132, or permission of the Instructor. Lab Fee: \$5.00

This course concentrates on the development of skill and understanding in the operation of an offset duplicator with emphasis on settings for various sizes and weights of paper, the use of pressroom tools, press problems and solutions as they pertain to paper and inks. Multiple color jobs will be produced in this course. (6238)

PRINTING 136 — Camera, Stripping and Platemaking II (2-4) Credit: 3.

Prerequisite: Printing 133, or permission of the Instructor. Lab Fee: \$5.00

This course is a continuation of Printing 133 to provide additional laboratory experience in the use of the photo-offset camera. The student will also gain additional experience in advanced line work, principles of halftones, stripping of multiple forms and stripping and making multiple exposure plates. (6238)



PRINTING 137 — Copy Preparation II (2-4) Credit: 3.

Prerequisite: Printing 124, or permission of the Instructor. Lab Fee: \$5.00

A continuation of Printing 124 is offered to provide additional laboratory experience. The students will be required to prepare camera-ready copy of letters, small flyers, tables, graphs, charts, reports, manuals and booklets. (6238)

PRINTING 141 — Graphic Arts Orientation (3-3) Credit: 4.

Prerequisite: None. Lab Fee: \$5.00

This course offers the student an introduction to Graphic arts with a general survey of various printing processes and their uses in industry. History of printing, the study of development, production and distribution of graphic materials, kinds of printing industries and printing terminology are included. It provides an introduction to all equipment and its inter-relations. (6238)

PRINTING 261 — Production Projects and Problems (3-6) Credit: 6.

Prerequisite: Printing 141, 132, 133, 124, 118, 135, 136 and 137, or permission of the Instructor. Lab Fee: \$5.00

This problem course will provide the student an opportunity to develop the skills and use the knowledge acquired during the previous basic instruction with a more in-depth study of bindery methods. This program period will aid the students in determining the areas in which they excel. As a group, the students will participate in a major project. (6238)

PRINTING 262 — Management and Supervision,
Offset Department (3-7) Credit: 6.

Prerequisite: Printing 261, or permission of the Instructor. Lab Fee: \$5.00

A thorough study in supervision including personnel, responsibilities, paper and equipment purchasing and selection, safety measures, estimating and pricing, report writing, problem solving involving the use of all equipment. (6238)

PSYCHOLOGY

PSYCHOLOGY 131 — Introduction to Psychology (3-0) Credit: 3.

Prerequisite: None.

An analysis of elementary principles of behavior, motivations, emotions, individual differences, and theories of personality. Emphasis on terminology, environmental influences, and concepts developed. Also, an introduction to adjustment procedures, human growth and development, and statistical methods. (200101)

PSYCHOLOGY 134 — Self-Management through
Behavior Modification (3-0) Credit: 3.

Prerequisite: None.

An applied course which utilizes empirically proven techniques to demonstrate to the student methods of behavior modification in both academic and personal situations. Subject matter and programming skills include basic principles of learning, use of reinforcement, scheduling, desensitization of anxiety, token economies and self-reinforcement. (200502)

PSYCHOLOGY 231 — Child Growth and
Development (3-0) Credit: 3.

Prerequisite: Psychology 131.

Human psychological development from birth to adulthood. The birth of the baby; from organism to person; the infant; the toddler; the preschool child, the middle years of childhood, adolescence; disturbances in development; the study of children. (200901)

PSYCHOLOGY 232 — Adult Development (3-0) Credit: 3.

Prerequisite: Psychology 131 and 231.

Physical changes and psychological development from the end of adolescence to senescence. (200902)

PSYCHOLOGY 233 — Psychology of Personality (3-0) Credit: 3.

Prerequisite: Psychology 131.

A comparative approach which parallels the traditional intrapsychic, Medical Model theories with the more empirically based behavioral viewpoint. This approach considers the major variables affecting personality development, personality assessment, and behavior change techniques as related to abnormal behavior. (200503)

PSYCHOLOGY 234 — Statistical Methods in Psychology (3-0) Credit: 3.

Prerequisite: None.

Measures of central tendency and variability; statistical inference; correlation and regression. (200701)

PSYCHOLOGY 235 — Social Psychology (3-0) Credit: 3.

Prerequisite: Psychology 131.

A study of the psychological principles responsible for man's interaction with others. Surveys the traditional and current topics of group behavior, conformity, attitudes and attitude changes, aggression and violence. Some topics deal mainly with theoretical issues, while others are completely empirical. Covers all the major research areas. (200501)

RADIATION THERAPY TECHNOLOGY

RTT 152 — Intermediate Technical Skills I (2-16) Credit: 5.

Prerequisite: Permission of the Program Director.

These courses are designed to develop skills the student will need for entry into a staff technologist position. (8046)

RTT 153 — Intermediate Technical Skills II (2-16) Credit: 5.

Prerequisite: Permission of the Program Director.

A continuation of Intermediate Technical Skills I. (8046)

RTT 221 — Oncology I (2-0) Credit: 2.

Prerequisite: Prerequisite: Permission of the Program Director.

Introduces the student to abnormal development and growth of human cells in vivo. Emphasis will be on the cancerous process. Students will be able to observe, participate in and demonstrate the application of ionizing radiation to patients and follow the progress of the treatment procedures. (8046)

RTT 222 — Oncology II (2-0) Credit: 2.

Prerequisite: Permission of the Program Director.

A continuation of Oncology I. (8046)

RTT 231 — Dosimetry I (2-2) Credit: 3.

Prerequisite: Permission of the Program Director. Lab Fee: \$4.00

The principles, aims and techniques of applying ionizing radiation to the human body. This course will include practical instruction in the treatment and planning rooms, and allow students the opportunity to apply and demonstrate these principles and techniques. (8046)

RTT 232 — Dosimetry II (2-2) Credit: 3.

Prerequisite: Permission of the Program Director. Lab Fee: \$4.00

Continuation of Dosimetry I. (8046)

RTT 233 — Radiotherapy Physics (2-2) Credit: 3.

Physical principles of therapeutic radiology, including a study of ionizing radiation, radioactivity decay, interaction of radiation with matter, units of radiation and shielding. (8046)

RTT 261 — Advanced Technical Skills I (2-24) Credit: 6.

Prerequisite: Permission of the Program Director.

These courses are designed to refine skills the student will need for entry into a staff technologist position. (8046)

RTT 262 — Advanced Technical Skills II (2-24) Credit: 6.

Prerequisite: Permission of the Program Director.

A continuation of Advanced Technical Skills I. (8046)

RTT 263 — Advanced Technical Skills II (2-24) Credit: 6.

Prerequisite: Permission of the Program Director.

A continuation of Advanced Technical Skills II. (8046)

RADIOGRAPHY

RADT 112 — Radiation Protection (1-0) Credit: 1.

Prerequisite: Enrollment in the Radiography Program.

The study of radiation protection that pertains to both the patient and radiographer. Material covered in the course includes: dosage unit, factors employed by the technologist to limit exposure to the patient and himself, protection devices, and standards of equipment for safety. (8033)

RADT 121 — Hospital Externship I (8-0) Credit: 2.

Prerequisite: Enrollment in the Radiography Program.

Students are introduced to the clinical areas of instruction. The student also applies the skills of routine procedures and related studies in a clinical situation under the direct supervision of a registered technologist. (8033)

RADT 122 — Radiographic Processing
and Technique (1-1) Credit: 2.

Prerequisite: Enrollment in the Radiography Program. Lab Fee: \$8.00

Practice in radiographic technique and sensitometry. Laboratory measurements and written reports on film latitude and speed gamma; validity of the reciprocity law. The resolving power and exposure time with screens demonstrated by student experiments. (8033)

RADT 123 — Applied Radiographic Physics II (2-0) Credit: 2.

Prerequisite: Enrollment in the Radiography Program.

This course is a continuation of the fundamentals of the physics needed by radiologic students. The advanced study of physical principles needed for the production of X-rays and the interaction of radiation with matter, shielding, intensifiers and body tissue. (8033)

RADT 124 — Radiographic Anatomy and Physiology II (2-0) Credit: 2.

Prerequisite: Enrollment in the Radiography Program.

Introduction to the structure and functions of the nervous, urinary, digestive and circulatory systems. Emphasis is placed on the radiographic procedures required for each system. (8033)

RADT 126 — Radiographic Technique and Exposure (1-1) Credit: 2.

Prerequisite: Enrollment in the Radiography Program. Lab Fee: \$8.00

The formulating of radiographic techniques and exposure, with emphasis on the essential factors that control the image formation. (8033)

RADT 127 — Radiographic Positioning III (1-1) Credit: 2.

Prerequisite: Enrollment in the Radiography Program.

Demonstration and laboratory practice of radiographic positions. Emphasis is on positioning of the skull in routine and trauma situations and includes demonstration and practice of special purpose views of the skeleton and viscera. (8033)

RADT 128 — Radiographic Pathology I (2-0) Credit: 2.

Prerequisite: Enrollment in the Radiography Program.

Introductory physiopathology, including definitions, nature and cause of disease, as well as lesions affecting organs and systems. The related radiographic examinations where pathological conditions exist will be discussed. (8033)

RADT 131 — Introduction to Radiography (3-0) Credit: 3.

Prerequisite: Enrollment in the Radiography Program.

Orientation to the field of radiologic technology as a total profession. Included are history, medical ethics, basic radiation protection, role and responsibilities of radiologic technologist, terminology, hospital administration, the theoretical knowledge and practice necessary for competence in the accurate utilization of X-ray and processing equipment, studies of technical factor changes and the effects various accessories have on radiographic quality. The study of density, contrast, definition and distortion are a part of this course. (8033)

RADT 132 — Applied Radiographic Physics I (3-0) Credit: 3.

Prerequisite: Enrollment in the Radiography Program.

Fundamentals of X-ray machine circuitry, nomenclature, function and accessory equipment required to produce quality radiographs. Emphasis is placed on the technical factors, radiographic principles, and processing techniques affecting and controlling radiographic quality. (8033)

RADT 133 — Radiographic Anatomy and Physiology I (3-0) Credit: 3.

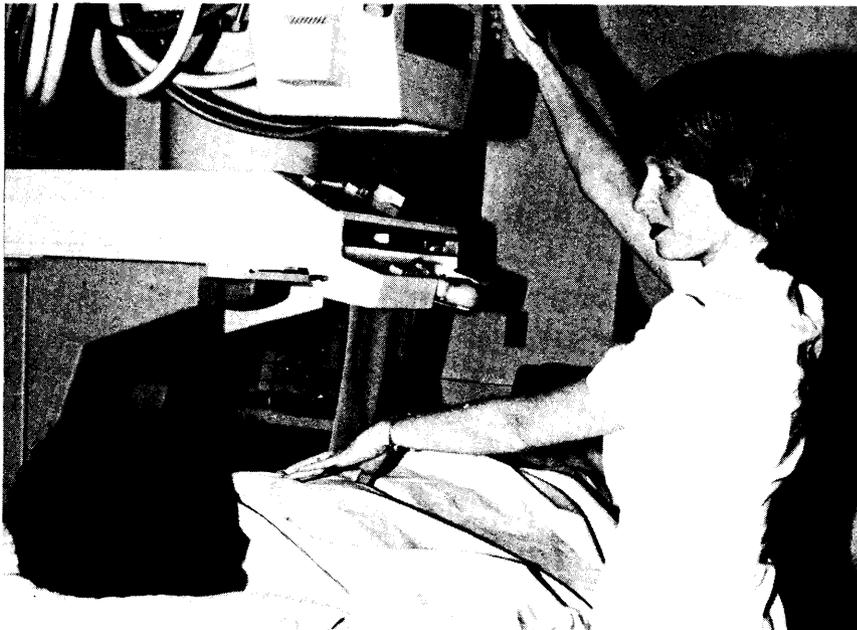
Prerequisite: Enrollment in the Radiography Program.

Introduction to the structures and functions of the skeletal, muscular, respiratory and visceral organs. Emphasis is placed on radiographic and topographic anatomy. (8033)

RADT 134 — Radiographic Positioning I (1-3) Credit: 3.

Prerequisite: Enrollment in the Radiography Program. Lab Fee: \$8.00

This course is designed for first year students to demonstrate and practice positioning of the extremities, pelvis, chest and abdominal cavity. Students are introduced to the terminology and anatomy used in radiographic positioning. (8033)



RADT 135 — Hospital Externship II (0-16) Credit: 3.

Prerequisite: Enrollment in the Radiography Program.

Practice in positioning, radiographic exposure, patient care and film critique in the radiology department of cooperating hospital. Instruction is under the direct supervision of a radiologist and/or qualified registered technologist. (8033)

RADT 136 — Hospital Externship III (0-16) Credit: 3.

Prerequisite: Enrollment in the Radiography Program.

Continued practice of radiography, emphasizing mobile, surgical, and trauma radiography. Students will perform patient examinations under the supervision of a registered radiologic technologist. (8033)

RADT 137 — Radiographic Positioning II (1-3) Credit: 3.

Prerequisite: Enrollment in the Radiography Program. Lab Fee: \$8.00

Instruction and practice in the positioning of the spine, chest, urinary, digestive, nervous and circulatory systems. The student is introduced to the terminology and anatomy used in the procedures listed above. (8033)

RADT 151 — Hospital Externship IV (0-30) Credit: 5.

Prerequisite: Enrollment in the Radiography Program.

Continued practice of radiography, under the limited supervision of a registered radiologic technologist. During this period, the students will be exposed to: special procedures, nuclear medicine, radiation therapy, ultrasound, and computed tomography. (8033)

**RADT 211 — Radiologic Technology
Registry Review** (1-0) Credit: 1.

Prerequisite: Enrollment in the Radiography Program.

A comprehensive review of all information covered in the field of radiography up to this point in the program. The review will include: positioning, radiographic technique, radiation protection, radiation physics, anatomy and physiology. (8033)

RADT 222 — Radiographic Special Procedures (2-0) Credit: 2.

Prerequisite: Enrollment in the Radiography Program.

An introduction to angiography, computed tomography, and various other special procedures. Course consists of both lecture and demonstra-

tion of these special procedures, with emphasis on principles and methods employed. (8033)

RADT 251 — Hospital Externship VI (0-27) Credit: 5.

Prerequisite: Enrollment in the Radiography Program.

The application of radiographic principles and patient care in the Radiology Department of cooperating hospitals. This clinical experience is under the indirect supervision of a registered technologist. (8033)

RADT 261 — Hospital Externship V (030) Credit: 6.

Prerequisite: Enrollment in the Radiography Program.

Continued practice of radiologic principles encountered in the Radiology Department. This clinical experience is under the limited supervision of a registered radiologic technologist. (8033)

RADIOLOGIC HEALTH SCIENCES

RHS 122 — Medical Electronics (2-1) Credit: 2.

Prerequisite: Enrollment in a Radiological Health Science Program or permission of RHS Program Director. Lab Fee: \$2.00

This core course provides a comprehensive foundation for specialized instrumentation courses which will follow. Included in this course are the following topics: basic concepts of electricity, Ohm's Law, circuits, electrical components, and general measurement devices. A one-hour per week associated laboratory will provide an opportunity for RHS students to relate course content to specific applications in their particular discipline. (8033)

RHS 123 — Medical Ethics and Terminology (2-1) Credit: 2.

Prerequisite: Enrollment in a Radiological Health Science Program or permission of RHS Director.

This core course emphasizes contemporary legal, ethical, moral and professional concepts and issues relevant to the practice of a medical technology. In addition, students will learn the basic language of the medical profession including word construction, definitions and use of terms related to all areas of patient care, hospital service, and allied health professions. (8033)

RHS 131 — Introduction to Radiological Health Science (2-8) Credit: 3.

Prerequisite: Enrollment in a Radiological Health Science Program or permission of RHS Program Director.

This core course traces the history of Radiology, Nuclear Medicine, Radiation Therapy, and Ultrasound from the discovery of X-rays to the present time. Emphasis will be placed on commonalities that exist among these medical specialties and on the complementary nature of their application to patient care. An eight hour per week associated laboratory is designed to acquaint Radiological Health Science students with the various medical specialties mentioned above and will also introduce students to specific skills and knowledge relative to their own areas of specialization. (803)

RHS 132 — Radiologic Anatomy and Physiology I (2-2) Credit: 3.

Prerequisite: Enrollment in a Radiological Health Science Program or permission of RHS Program Director and successful completion of a course in general biology. Lab Fee: \$2.00

This core course presents an in-depth study of the structure and function of the human body. The muscular, nervous, circulatory, respiratory, digestive, endocrine, reproductive and skeletal systems will be emphasized. A two hour per week associated laboratory will offer students an opportunity to learn human anatomy through the use of various models and audio visual materials. (8033)

RHS 133 — Data Analysis (3-0) Credit: 3.

Prerequisite: Enrollment in a Radiological Health Science Program or permission of RHS Program Director and successful completion of a course in basic algebra.

This core course concentrates on mathematical concepts relevant to a Radiological Health Science specialty. Topics to be covered include general concepts of algebra, logarithms, exponential functions, statistics, and data analysis. (8033)

RHS 134 — Radiologic Anatomy and Physiology II (2-2) Credit: 3.

Prerequisite: Enrollment in a Radiological Health Science Program or permission of RHS Program Director and successful completion of RHS 132. Lab Fee: \$2.00

This core course is a continuation of RHS 132, Radiologic Anatomy and Physiology I. This course will concentrate more on the requirements of

each individual Radiological health Science specialty. A two hour per week associated laboratory will facilitate the acquisition of specialized knowledge and skills required by each discipline. (8033)

**RHS 135 — Radiological Physics and
Radiation Safety** (3-0) Credit: 3.

Prerequisite: Enrollment in a Radiological Health Science Program or permission of RHS Director.

This core course will concentrate on basic concepts of classical, atomic, and nuclear physics. Radiations and their interactions with matter will also be emphasized. (8033)

RHS 136 — Introduction to Patient Care (2-2) Credit: 3.

Prerequisite: Enrollment in a Radiological Health Science Program or permission of RHS Program Director.

This core course emphasizes general patient care concepts. Special emphasis will be placed on patient handling and nursing procedures relevant to diagnostic and therapeutic procedures within a Radiological Health Science facility. A two hour per week associated laboratory will provide students with an opportunity to learn and practice proper body mechanics and other techniques relevant to patient care. (803)

**RHS 221 — Clinical management and
Administration** (2-0) Credit: 2.

Prerequisite: Enrollment in a Radiological Health Science Program or permission of RHS Program Director.

This core course covers general principles involved in the operation of a clinical department. Record maintenance, statistics, fiscal management and procedures, personnel management, and operational efficiency and effectiveness will be emphasized as relevant to a Radiological Health Science department. (8033)

RHS 231 — Pathology (3-0) Credit: 3.

Prerequisite: Enrollment in a Radiological Health Science Program or permission of RHS Program Director.

This core course presents basic human pathology. General mechanisms of diseases will be presented first, followed by specific disorders and correlation with actual patient procedures commonly found within a Radiological Health Science area. (8033)

RHS 232 — Radiation Biology

(3-0) Credit: 3.

Prerequisite: Enrollment on a Radiological Health Science Program or permission of RHS Program Director.

This core course concentrates on the effects of ionizing radiations on biological and chemical systems. Particular importance will be placed on genetic and subcellular interactions. Relevancy to technologists who are occupationally exposed to ionizing radiations is stressed. (8033)

REAL ESTATE MANAGEMENT

REM 131 — Principles of Real Estate

(3-0) Credit: 3.

A general introduction to real estate as a profession to include an overview of licensing as a real estate salesman and broker, ethics of practice, titles to and conveyancing of real estate, legal descriptions, law of agency, deeds, encumbrances and liens, distinctions between personal and real property, contracts, appraisal, finance and regulations, closing procedures, and real estate mathematics. (5423)

REM 132 — Real Estate Finance

(3-0) Credit: 3.

This course is designed to provide the student with the basic knowledge of real estate finance practices to include monetary systems, primary and secondary money markets, sources of mortgage loans, federal government programs, loan applications, processes and procedures, closing costs, alternative financial instruments, equal credits opportunity acts, community reinvestment acts, and state housing agency. (5423)



REM 133 — Real Estate Marketing (3-0) Credit: 3.

Introduces the student to marketing of real estate and shall include an overview of real estate as a profession, ethics, time management, psychology of marketing, listing procedures, advertising, negotiating and closing procedures, financing, Deceptive Trade Practices-Consumer Protection Act, Business and Commerce Act, and the characteristics of successful salesmen and brokers.

REM 134 — Real Estate Regulation and Taxation (3-0) Credit: 3.

A study of regulations and procedures of real estate licensing, taxation and transactions including titles, abstracts, and closing procedures (5423)

REM 135 — Real Estate Mathematics (3-0) Credit: 3.

This course exposes the student to concepts and formulas used in computing basic arithmetic skills and a review of mathematical logic, percentages, interest, time-valued money, depreciation, amortization, proration, and estimation of closing statements. (5423)

REM 231 — Real Estate Appraisal (3-0) Credit: 3.

Designed to acquaint the student with the appraisal process and includes the central purposes and functions of an appraisal, social and economic determinant of value, appraisal case studies, cost, market data and income approaches to value estimates, final correlations, and reporting. (5423)

REM 232 — Real Estate Law (3-0) Credit: 3.

A study of the principles of law which govern interests in real estate including legal concepts of real estate, land description, real property, rights and estates in land, contracts, conveyances, encumbrances, foreclosures, recording procedures, and evidence of titles, and three class hours devoted to fair housing laws. (5423)

REM 233 — Real Estate Brokerage (3-0) Credit: 3.

A study of the factors necessary in the establishment and operation of a real estate brokerage office, including planning and organization, operational policies and procedures, law of agency, recruiting, selection and training of personnel, records and controls, and real estate firm analysis and expansion criteria. (5423)

**REM 234 — Real Estate Property Management
and Investment**

(3-0) Credit: 3.

This course explores the principles and practices involved in property management and investment and shall include the role of a property manager, landlord policies, operational guidelines, leases, lease negotiations, tenant relations, maintenance, reports, habitability laws, the Fair Housing Act, investment characteristics, investment analysis, time-valued money, discounted and non-discounted investment criteria, leverage, tax shelters, depreciation, and the applications of property tax. (5423)

REFRIGERATION MECHANICS

(960 Contact Hours)

RESPIRATORY THERAPY

RET 110 — Mechanical Ventilation Laboratory

(0-2) Credit: 1.

Prerequisite: RET 121 or permission of the Program Director. Lab Fee: \$8.00

This course explores the role of the therapist in the ICU, classification of mechanical ventilators, wave-forms, and the safe monitoring of patients while being ventilated. Students are given hands-on experience with a number of both adult and pediatric ventilators and are given the opportunity to demonstrate their practical knowledge of the ventilator. (8125)

RET 120 — Respiratory Therapy Laboratory I

(1-2) Credit: 2.

Prerequisite: None. Lab Fee: \$8.00

Introduction to basic equipment and therapeutic modalities of Respiratory Therapy to include cylinders, regulators, flowmeters, gas mixing and analyzing, oxygen, aerosol and humidity therapy, resuscitators and airways. The design theory and function is discussed, along with mechanical and theoretical problems associated with their application. Students are exposed to the basic concepts in gas physics which are behind the workings of many pieces of Respiratory Therapy equipment. The behavior of gases under pressure, safety features of gas systems, principles of operation of aerosol and humidity generators and oxygen analyzers are included. (8125)

RET 121 — Respiratory Therapy Laboratory II (1-2) Credit: 2.

Prerequisite: RET 120 or permission of the Program Director. Lab Fee: \$8.00

A continuation of RET 120 with a more in-depth examination of the functional components of equipment and procedures. Intermittent Positive Pressure Breathing equipment and procedures are discussed along with chest percussion, vibration, postural drainage, medication administration techniques, incentive spirometry and all forms of airway clearance. The student becomes familiar with pediatric equipment such as isolettes, croupettes, incubators, and oxihoods. (8125)

RET 122 — Respiratory Therapy for the Critical Care Patient (2-0) Credit: 2.

Prerequisite: RET 132 or permission of the Program Director

Care of the patient with life-threatening disabilities is reviewed including acid/base balance, fluid and electrolyte regulation, technologies found and used in the intensive care area, methods of shunt calculation, invasive pressure monitoring and special application of ventilatory methods such as a synchronous independent lung and high frequency ventilation. (8125)

RET 123 — Clinical Rotation I (0-6) Credit: 2.

Prerequisite: RET 151 or permission of the Program Director.

Advanced therapeutic modalities are used in patient care, to include Intermittent Positive Pressure Breathing, chest percussion, vibration, medication administration, airway clearance and life support techniques. A study unit on research skills - literature review, hypothesis formation, data collection and analysis - is included in this course. (8125)

RET 130 — Introduction to Respiratory Therapy (3-0) Credit: 3.

Prerequisite: None.

Course content focuses upon preparing the student for their first clinical exposure. The major body systems - cardiovascular, pulmonary, renal, nervous, gastrointestinal, etc. - are reviewed individually, giving the student an understanding of the basic anatomy, physiology and major pathologies of each. Special emphasis is placed upon the cardiopulmonary systems and the major diseases and disabilities the student will begin to encounter in their hospital experience. The roles of the Respiratory Therapist in various patient care facilities as well as ethics, communications, and job functions within the field of patient care are explored. (8125)

RET 132 — Cardiopulmonary Anatomy and Physiology (3-0) Credit: 3.

Prerequisite: RET 130 or permission of Program Director.

The course offers the student an in-depth study of the pulmonary and cardiac systems - independent and in relationship with each other. Concepts such as pulmonary and cardiac microstructure, respiratory defense system, cardiac electroconductivity, diffusion, ventilation, internal and external respiration, lung volumes and capacities, pulmonary shunts, ventilation/perfusion relationships are studied. The student is introduced to chest X-rays and diagnostic radiologic techniques. (8125)

RET 151 — Clinical Rotation I (0-16) Credit: 5.

Prerequisite: RET 120, 130 or permission of the Program Director.

Introduction and orientation to the hospital environment. The student is given exposure to providing basic modalities of respiratory therapy to include: oxygen, aerosol and humidity therapy, incentive spirometry and pulmonary clearance mechanisms. (8125)

RET 230 — Cardiopulmonary Pathology (3-0) Credit: 3.

Prerequisite: RET 132 or permission of the Program Director.

Pulmonary disease states such as chronic restrictive and obstructive, consolidative and fibrotic processes, viral and bacterial infections, airway obstruction, and diseases unique to the pediatric patient are studied. The course also includes the study of cardiac diseases which involve the pulmonary system. An X-ray unit is included in the course exposing the student to the abnormal X-ray findings associated with the various pathologies studied. (8125)

RET 240 — Pharmacology for the Respiratory Therapist(4-0) Credit: 4.

Prerequisite: RET 132 or permission of the Program Director.

The major categories of drugs are studied with emphasis upon modes of actions, side effects, interactions and application. Special emphasis is placed upon drug therapy as it is applied to the respiratory patient. (8125)

RET 241 — Clinical Laboratory Rotations (0-8) Credit: 4.

Prerequisite: RET 251 or permission of the Program Director.

Specialized laboratory areas are explored during which the student gains insight into other functions of the hospital environment. The acute care laboratory, pulmonary function laboratory, cardiac cath laboratory and pathology laboratory are covered. (23 week rotation) (8125)

RET 242 — Respiratory Therapy Seminar (4-0) Credit: 4.

Prerequisite: RET 281 or permission of the Program Director.

In reparation for national board examinations students review all topics previously presented and take “mock” written examinations over such topics as: Gas physics, aerosol and humidity therapy, oxygen therapy, chest physiotherapy, pharmacology, mechanical ventilation, adult and pediatric treatment modalities. (8125)

RET 251 — Clinical Rotation III (0-16) Credit: 5.

Prerequisite: RET 123 or permission of the Program Director.

All forms of therapeutic modalities will be used as the student rotates through various speciality units. The operating room, recovery room, emergency room, and chest assessment and physiotherapy are areas covered. (8125)

RET 281 — Intensive Care Unit Rotations (0-30) Credit: 8.

Prerequisite: RET 251 or permission of the Program Director.

Advanced therapeutic modalities as applied in all critical care areas to include the surgical, medical, neurological, and pediatric intensive care units. Students also rotate through the coronary care unit and infant care unit. (8125)

SHORTHAND

SHORTHAND 141 — Beginning Shorthand (3-3) Credit: 4.

Prerequisite: Typewriting 141, or consent of Departmental Chairperson. Lab Fee: \$5.00.

Principles of shorthand theory, reading, writing, and transcribing shorthand outlines; mechanics or English. A laboratory type course. (5824)

SHORTHAND 132 — Intermediate Shorthand (3-0) Credit: 3.

Prerequisite: Shorthand 141, or shorthand writing skill of 60 words per minute and typing skills of at least 40 words per minute. Lab Fee: \$5.00.

Principles of shorthand, word-building, phrasing, transcription skill, and sustained writing speed. Emphasis on spelling, punctuation, and grammar. A laboratory type course. (5824)

SHORTHAND 231 — Advanced Shorthand (3-0) Credit: 3.

Prerequisite: Shorthand 132, or shorthand writing skill of 80 words per minute and typing skill of at least 50 words per minute. Lab Fee: \$5.00.

Shorthand skills required for stenographic work. Emphasis is upon rapid dictation and transcription; specialized dictation in medical, legal, technical, and bilingual. A laboratory type course. (5824)

SOCIAL SCIENCE

SOCIAL SCIENCE 231 — Human Sexuality (3-0) Credit: 3.

Prerequisite: None.

Covers in substantive form the interdisciplinary field of human sexuality. Anatomical, physiological, psychological, anthropological, sociological, medical, legal, and artistic aspects of the subject are covered. (220811)

SOCIAL SCIENCES 233 — Introduction to Multicultural Studies (3-0) Credit: 3.

Prerequisite: None.

An interdisciplinary approach to the study of minority cultures in America, immigration patterns, and minority assimilation with emphasis on the problems faced by minority students in the schools. (220807)

SOCIOLOGY

SOCIOLOGY 131 — Introduction to Sociology (3-0) Credit: 3.

Prerequisite: None.

The study of human society, human behavior and personality as a product of group life, human ecology and population, social organization, socio-cultural change, and current social problems. (220801)

SOCIOLOGY 133 — Social Problems (3-0) Credit: 3.

Prerequisite: Sociology 131 or consent of Departmental Chairperson.

Identification and analysis of contemporary social problems. A study of the criteria for evaluating problems of social planning and a study of conventional solutions to these problems. (220802)

SOCIOLOGY 231 — Marriage and Family (3-0) Credit: 3.

Prerequisite: Sociology 131 or consent of Departmental Chairperson.

A study of the problems of courtship, mate selection, and marriage adjustments. (220809)

SPANISH

SPANISH 135 — Communicating in Spanish for
Health - Related Professions (3-0) Credit: 3.

Prerequisite: None.

Basic understanding of the health-related expressions, pronunciation and speech patterns in the Spanish language. Also presented in dual language. Easy fundamentals of basic Spanish grammar and idiomatic expressions necessary for the skills of hearing, reading, and writing Spanish. (110551U)

SPANISH 142 — Beginner's Spanish (3-2) Credit: 4.

Prerequisite: Spanish 141 or equivalent. Lab Fee: \$5.00.

A continuation of more advanced grammar; continued emphasis on the spoken language; acquisition of vocabulary and idioms; reading of short stories in Spanish; composition. (110501)

SPANISH 141 — Beginner's Spanish (3-2) Credit: 4.

Prerequisite: None. Lab Fee: \$5.00.

Fundamentals of grammar; basic vocabulary; pronunciation; conversation; reading of elementary texts; emphasis on development of audio-lingual skills. (110501)

SPANISH 241 — Intermediate Spanish (3-2) Credit: 4.

Prerequisite: Spanish 142 or equivalent. Lab Fee: \$5.00.

Intensive review of grammar; reading of short stories and plays in Spanish; composition and oral reports based on a variety of topics. (110502)

SPANISH 242 — Intermediate Spanish (3-2) Credit: 4.

Prerequisite: Spanish 241 or equivalent. Lab Fee: \$5.00.

Continuation of readings in Hispanic culture and civilization; completion of grammar review; composition and conversation. (110502)

SPEECH

SPEECH 111, 112, 211, 212 — Forensics (0-3) Credit: 1.

Prerequisite: Approval of Departmental Chairperson.

Laboratory course for students who participate extensively in forensic activities, including speech tournaments. (150604)

SPEECH 131 — Beginning Public Speaking (3-0) Credit: 3.

Prerequisite: None.

Fundamental speech principles; speech production — articulation and pronunciation; the attitudes and resources of the speaker; fundamentals of delivery; elements of speech preparation; the informative and persuasive use of language. (150501)

SPEECH 132 — Oral Interpretation (3-0) Credit: 3.

Prerequisite: Speech 131.

A study of the technique of effective oral reading. Attention is given to pitch, quality, pronunciation, and articulation. Includes a survey of the forensics areas of poetry reading and dramatic interpretation. (150502)

SPEECH 134 — Voice and Diction (3-0) Credit: 3.

Prerequisite: None.

A study of the voice mechanism and the International Phonetic Alphabet in order that the student may gain a basic understanding of the principles of voice production, pronunciation, accent, and phonics. (150503)

SPEECH 135 — Business and Professional Speaking (3-0) Credit: 3.

Prerequisite: None.

A practical course involving the student in a discussion of current problems by use of various approaches: round table, panel, sales conference, committee, parliamentary and lecture forms. (150603)

SPEECH 136 — Interpersonal Communication (3-0) Credit: 3.

Prerequisite: None.

A course to introduce the student to the concept of communication as a process, to demonstrate the differences between one-way and two-way communication, and to stimulate the development of a working vocabulary of communication principles. (150623)

SPEECH 137 — Argumentation and Debate (3-0) Credit: 3.

Prerequisite: None.

This course is planned to set forth the principles of argumentation, so that the debater will have the necessary background for the development of individual technique. It describes the analysis of the debate subject, gives the principles of logical argument, and suggests how the case may be presented most effectively. (150606)

SPEECH 238 — Discussion and Small Group
Communication (3-0) Credit: 3.

Prerequisite: None.

This course involves the study of communication in the small group, including analysis of the influence of group structure, norms, roles and leadership. Special emphasis on problem solving discussion techniques. (150602)

SURGICAL TECHNOLOGIST

(1552 Contact Hours)

TELEVISION

TELEVISION 131 — Introduction to Television (2-2) Credit: 3.

Prerequisite: None. Lab Fee: \$5.00

A general survey of the principles involved in television broadcasting, including a study of station and network organization and control. Activities in writing, acting, directing, producing, announcing, and engineering various types of television programs. (060301)

TELEVISION 134 — Scripting for the Media (3-0) Credit: 3.

Prerequisite: None.

Basic course in writing for the electronic media with practice in preparing all necessary types of written material for broadcast and instruction from commercials to instructional aids. (060102)

TELEVISION 143 — Television Production I (2-3) Credit: 4.

Prerequisite: Television 131 or permission of Departmental Chairperson. Lab Fee: \$5.00

A practical approach to the presentation of commercials, news films and live programs as encountered in the daily operation of the average commercial television station. Beginning instruction in camera work, video and audio control. Survey of educational television. (060502)

TELEVISION 144 — Television Production II (2-3) Credit: 4.

Prerequisite: Television 143. Lab Fee: \$5.00

A continuation of Television and Production I (060502)

TELEVISION 231 — Television Workshop I (1-5) Credit: 3.

Prerequisite: Television 131 or permission of Departmental Chairperson. Lab Fee: \$5.00

Lecture and laboratory instruction and participation. (060501)

TELEVISION 232 — Television Workshop II (1-5) Credit: 3

Prerequisite: Television 131 and 231 or permission of the Departmental Chairperson. Lab Fee: \$5.00

Lecture and laboratory instruction and participation. (060501)



TYPEWRITING

TYPEWRITING 130 — Introduction to Typing (3-0) Credit: 3.

Prerequisite: None. Lab Fee: \$5.00

Touch typewriting. Learning basic skills involved in organizing and typing personal business letters, simple tabulations, forms, manuscripts and term papers, footnotes, bibliographies, reports for personal use. Designed for vocational-technical students other than Office Occupations majors. (5824)

TYPEWRITING 141 — Beginning Typewriting (3-3) Credit: 4.

Prerequisite: None. Lab Fee: \$5.00

Touch typewriting. Learning basic skills involved in organizing and typing material centered both vertically and horizontally, typing business letters, and rough draft. (5824)

TYPEWRITING 142 — Intermediate Typewriting (3-3) Credit: 4.

Prerequisite: Typewriting 141, or typing skills of at least 35 words per minute. Lab Fee: \$5.00

Improvement of basic skills, typing of tabulations, business forms, business letters, technical papers and business reports, memorandums and rough drafts. (5824)

TYPEWRITING 231 — Advanced Typewriting (3-0) Credit: 3.

Prerequisite: Typewriting 142, or typing skills of at least 45 words per minute. Lab Fee: \$5.00

A laboratory type course designed to help students improve their typing skill through intensive speed and accuracy practice. (5824)

TYPEWRITING 232 — Production Typewriting (3-0) Credit: 3.

Prerequisite: Typewriting 231, or typing skills of at least 50 words per minute. Lab Fee: \$5.00

Production of typewritten copy with exacting standards of speed and accuracy. Sustained effort required. Students may specialize in any of five areas (executive, legal, medical, technical, or bilingual). A laboratory type course. (5824)

UNIT CLERK

(480 Contact Hours)

VOCATIONAL NURSING

(1 Year Program)

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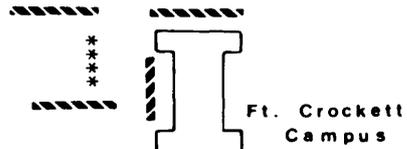
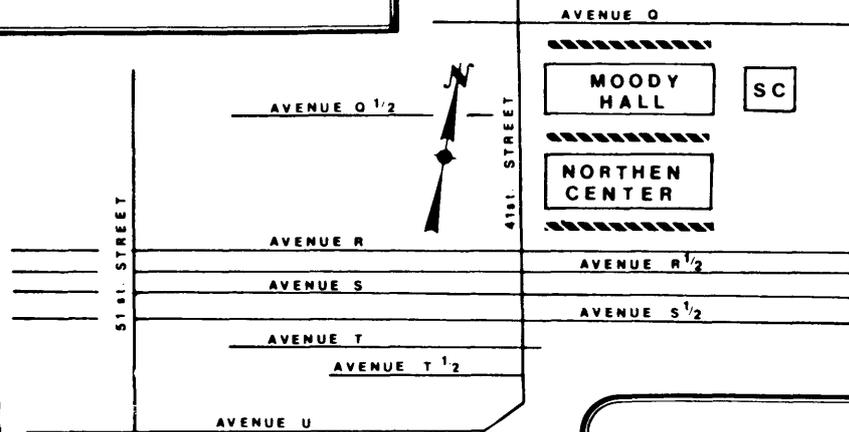
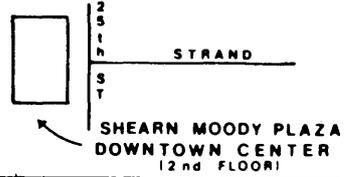
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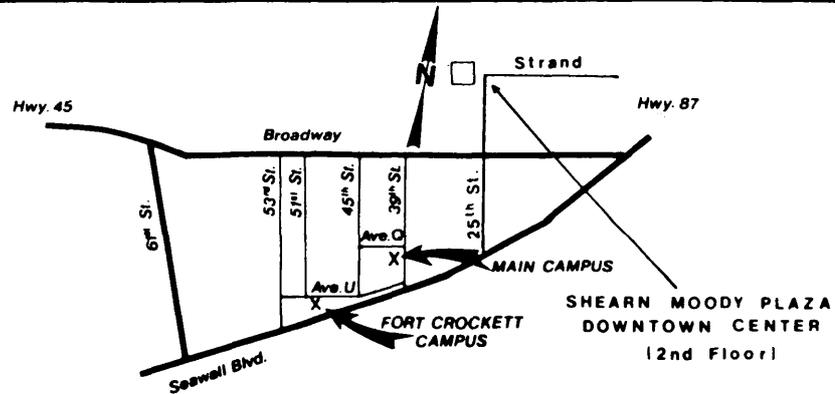
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Galveston College Campuses

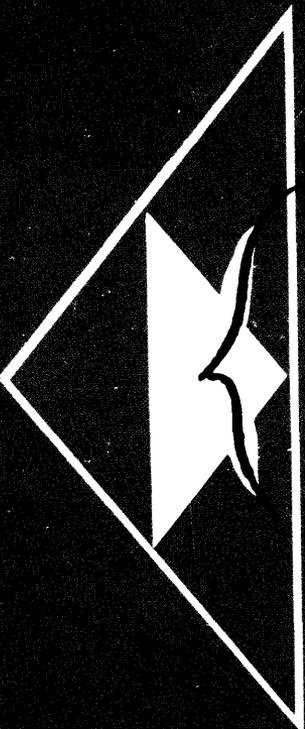


Legend

- SC....Eudine Meadows Cheney Student Center
- **** Tennis Courts
- ▨ Parking Areas



GALVESTON COLLEGE



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