

Description of Archival Material

Title - File Name Greeneston College Catalog

Year 1973-1974

Number 7 - Fall 1973

Place of Publication GC

Publisher GC

Total number of pages 169

Measurements in inches 8 3/4 x 5 3/4

Description of the binding
i.e., leather, spiral, etc. soft cover - white smalti

Brief description of the contents CAT. of Courses

1973 - 1974 CATALOG

Published by

GALVESTON COLLEGE

4015 Avenue Q

Galveston, Texas 77550

Telephone: 713-763-6551

Accredited by

Southern Association of Colleges and Schools

Association of Texas Colleges and Universities

Approved by

Coordinating Board, Texas College and University System

Texas Education Agency

Member of

American Association of Junior Colleges

Texas Public Junior College Association

National League for Nursing

Gulf Coast Junior College Intercollegiate Conference

NUMBER 7

FALL, 1973

FOREWORD

This seventh annual catalog is designed to provide detailed information about the educational opportunities available at Galveston College.

The primary purpose of the instructional programs offered by the College is to aid individuals in fulfilling their hopes and aspirations for happiness in jobs, at home and in the community.

A full program of guidance and counseling services is available to all students. Students are urged to take advantage of this service in the making of decisions regarding their educational plans.

The philosophy of service through the provision of educational opportunity means that the College will constantly extend itself to the utmost in seeking to provide each student with that program which most nearly suits his needs, interests, and abilities.

OFFICE OF FINANCIAL AID & PLACEMENT

GALVESTON COLLEGE

4015 AVENUE Q

GALVESTON, TEXAS 77550
 CALENDARS FOR 1973 AND 1974

1973

1974

S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
JANUARY	JULY	JANUARY	JULY
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APRIL	OCTOBER	APRIL	OCTOBER
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JUNE	DECEMBER	JUNE	DECEMBER
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COLLEGE CALENDAR

FALL SEMESTER, 1973

Pre-enrollment counseling	June - July - August
Faculty workshop	August 27-28-31
Freshman orientation	August 27
Registration	August 29-30
Labor Day Holiday	September 3
Classes begin	September 4
Last day for late registration and/or schedule change	September 7
Mid-Semester	October 19
Last day to file for Fall graduation	November 1
Thanksgiving Holidays	November 22-25
Classes resume	November 26
Reading Day	December 11
Last day to drop courses	December 11
Final examinations	December 12-13-14-17-18
Make-up examination date	December 19
Semester ends	December 20

SPRING SEMESTER, 1974

Faculty workshop	January 7-8-11
Orientation for new students	January 7
Registration	January 9-10
Classes begin	January 14
Last day for late registration and/or schedule change	January 17
Mid-Semester	March 1
Last day to file for Spring graduation	March 1
Spring Holidays	March 11-17
Classes resume	March 18
Easter Holidays	April 12-15
Classes resume	April 16
Reading Day	May 6
Last day to drop courses	May 6
Final examinations	May 7-8-9-10-13
Make-up examination date	May 14
Semester ends	May 15
Graduation exercise	May 15

FIRST SUMMER SESSION, 1974

Registration June 3
Classes begin June 4
Last day for late registration and/or schedule change June 7
Holiday July 4
Classes resume July 5
Last day to drop courses July 10
Final examinations July 11-12
Term ends July 12

SECOND SUMMER SESSION, 1974

Registration July 15
Classes begin July 16
Last day for late registration and/or schedule change July 19
Last day to drop courses August 21
Final examinations August 22-23
Term ends August 23

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- JUDY BROWN, C.O.T.A.**
Occupational Therapy Assistant
The University of Texas Medical Branch
- TRIVA CHRISTIAN, OTR**
Staff Occupational Therapy
Moody State School
The University of Texas Medical Branch
- ROBERTO DeLaGARZA, JR., *Technical Director***
Department of Radiology
The University of Texas Medical Branch
- BERYL DULSON, OTR**
Clinical Occupational Therapy Supervisor
The University of Texas Medical Branch
- ANITA ELLIOTT, OTR**
Staff Occupational Therapist
Division of Child Psychology
John Sealy Hospital
- C. ELIZABETH EVANS, OTR**
Assistant Director for Clinical Programs,
Pediatric and Orthopedic
The University of Texas Medical Branch
- DOROTHEA EVERETT, P.T.**
Chief Physical Therapist
General Clinic
The University of Texas Medical Branch
- ELAINE FITZSIMMONS, C.O.T.A.**
Occupational Therapy Assistant
The University of Texas Medical Branch

NANCY GALLAGHER, OTR
 Clinical Instructor, Staff Occupational Therapist
 The University of Texas Medical Branch

DALLAS GUITRY, R.T.D.
 Department of Dietetics
 The University of Texas Medical Branch

MARY FRANCES HEERMANS, OTR
 Associate Professor and Chairman Director
 Department of Occupational Therapy
 The University of Texas Medical Branch

INEZ HUNTTING, OTR
 Associate Director for Clinical Programs
 The University of Texas Medical Branch

SUSAN KESSLER, OTR
 Assistant Director for Clinical Occupational Therapy Programs,
 Psychiatric Services
 The University of Texas Medical Branch

MADELON MUNSON, Occupational Therapy Assistant
 The University of Texas Medical Branch

TROY R. OWENS
 Certified Orthotist
 Galveston Brace and Limb Company

JEANNE SCHENCK, Chairman
 Department of Physical Therapy
 School of Allied Health Sciences
 The University of Texas Medical Branch

BARBARA WILLIS, OTR, Associate Instructor-Charge Therapist
 Occupational Therapy Department
 Shriners Burns Institute

VALERIE WILSON, OTR
 Staff Therapist
 Occupational Therapy Clinic
 John Sealy Hospital

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 B.A., East Texas State University
 M.S., East Texas State University

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 M.Ed., University of Houston
 Doctoral Study, University of Houston

FRED HENRY, Counselor/Instructor
 B.A., Prairie View A&M College
 M.Ed., Prairie View A&M College

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Graduate Study, Louisiana State University

JOAN HYATT, *Reference Librarian*

B.S., Mississippi State College for Women

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HELEN SPANGLER, *News Writer*

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VIRGINIA CARDWELL, *Executive Secretary to Dean of Occupational Education*

ROSALEE BELL, *Faculty Secretary*

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FRANCES VUCKOVICH, *Executive Secretary to the Director of Research and Development*

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JODY FREEZE, *Secretary to Director of Continuing Education*

Office of Director of Student Personnel Services

JEAN MICHELETTI, *Secretary to Director of Student Personnel Services*

ROSALYN ALLEN, *Secretary to the Counselors*

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TERRILYN VENZKE, *Assistant Registrar*

GLORIA GARZA, *Recorder*

BERTIE GREER, *Recorder*

Office of Financial Aid and Placement

REGINA RUNNELS, *Financial Aid Advisor*

PHOEBE FIELDS, *Secretary to Coordinator of Financial Aid and Placement*

Library

PHYLLIS MEIER, *Technical Processing Assistant*

WESLEY ROCKENBAUGH, *Assistant Media Specialist*

SHARON HERNANDEZ, *Media Assistant*

GENERAL INFORMATION

HISTORY OF THE COLLEGE

It is known that as early as 1934 there was considerable local interest in a 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, however, did not give up. During the ensuing years, efforts were made to form a county district, but those proposals were not acceptable to the voters.

In 1966, Galveston leaders renewed their drive to get a College for the Island. An attorney general's opinion was sought and it determined that the original district was still in legal existence.

In July of 1966, the Commissioners 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 Union Junior College District. This act provided the avenue by which the original district could be activated.

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, especially the members of the Junior College Committee of the Galveston Chamber of Commerce.

In February of 1967, Dr. David G. Hunt was selected as the College's first president. He assumed office on March 1, 1967, and immediately began to formulate plans for opening the College in September of 1967. The successful achievement of this objective is a tribute to the abilities possessed by Dr. Hunt.

The College opened for its first semester on September 18, 1967, with an enrollment of 672 students. The College has grown to 2098 students enrolled for the spring semester of 1971.

Mr. Melvin M. Plexco, Vice President and Dean of the College was elected as the second president on April 11, 1968, following the death of Dr. Hunt, and serves in this capacity at the present time.

PHILOSOPHY OF THE COLLEGE

Galveston College is dedicated to community service through the provision of educational opportunity. Education is the basis of both material and spiritual progress and is, therefore, the wellspring of every opportunity for material well-being and happiness.

Only the individual student is able to seize upon the opportunities offered by education, and it is to the individual student that the faculty and staff of Galveston College will turn attention. The student who approaches his collegiate opportunities with seriousness, self-discipline and energy will find that he has earned the right to the very best the College has to offer.

The philosophy of service through the provision of opportunity must find expression in the development of the widest range of educational programs consonant with sound management and legal limitation. The College will constantly extend itself to the utmost in seeking to provide each student with that program which most nearly suits his needs, interests and abilities.

SPECIFIC OBJECTIVES OF THE COLLEGE

The primary objective of Galveston College is to provide educational opportunities of high quality and diversity to the citizens of the District which supports the College. Educational opportunities are extended to citizens living outside the District insofar as the capabilities of the District permits.

Specific objectives of the College are:

1. To provide an effective program of student personnel services and counseling.
2. To provide, through general education, opportunities for personal growth and development.
3. To provide university parallel course work designed to transfer to senior colleges and universities toward the baccalaureate degree.
4. To provide occupational education in specialized areas for those students who wish to become employable upon program completion.
5. To provide, through continuing education, opportunities for students who have assumed adult responsibilities and must attend school on a part-time basis.
6. To provide, through seminars, lectures, and discussion groups, programs of worthy leisure value, usually on a non-credit basis.

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

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 student should be eligible to return to the school from which he transferred.

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

- STEP 1. Obtain application form from the back of this catalog or from the Registrar — Room M-147.
- STEP 2. Texas laws require immunizations for all students enrolled in institutions of higher learning. Instructions for parents and students and form may be obtained in the back of this catalog or from the Registrar — Room M-147.
- STEP 3. Present completed forms to Registrar.
- STEP 4. Arrange for previous school records to be sent direct to the Registrar. Records brought by students in person are not acceptable. Transfer students must provide transcripts of all prior college work.
- STEP 5. Arrange to take the American College Test (ACT) and have results sent direct to Registrar. **CAUTION:** ACT scores determine course requirements in English, Reading, Mathematics and Biology. (Refer to Departments.)
- STEP 6. Reading proficiency is required of all students. Students who do not have satisfactory ACT scores in Social Science (Reading Test: above 8) will be required to take Reading Improvement (Communications 032).
- STEP 7. Arrange counseling interview prior to formal registration.

ALL CREDIT STUDENTS MUST HAVE A.C.T. SCORES ON FILE WITH COUNSELORS BY REGISTRATION DATES OF THE SEMESTER THAT THEY INITIALLY ENTER GALVESTON COLLEGE. IF THE STUDENT A.C.T. SCORES ARE NOT ON FILE, ALL STUDENTS MUST HAVE TAKEN DEPARTMENTAL PLACEMENT TESTS (WHEN APPLICABLE) BY REGISTRATION DATES OF THE SEMESTER THAT THEY ENTER. IF THESE REQUIRED TEST SCORES ARE NOT ON FILE, STUDENTS MUST TAKE DEPARTMENTAL TESTS BY THE FINAL DAY OF LATE REGISTRATION. IF THIS REQUIREMENT IS NOT MET, THE STUDENT IS INELIGIBLE TO REGISTER FOR THE SEMESTER.

NON-COLLEGE CREDIT PROGRAMS

The procedures for admission into *non-college credit programs* are outlined below:

- STEP 1. Contact Registrar or Director of Continuing Education for specific procedures.
- STEP 2. Register as directed.

ADMISSION TO SPECIAL PROGRAMS

1. Applicants must be eligible for admission to Galveston College.
2. There are no restrictions to sex, creed, race, or marital status.
3. The Admission Committee for each Special Program (ADN, VN, AHO, etc.) will be composed of at least one person from Student Personnel Services and the Special Program concerned. This committee may review any and all cases presented to it and recommend individual admission as it sees fit.
4. Check lists are available for all special programs and should be obtained from the Counselor's Office or Registrar's Office and completed by all persons in special programs.
5. After applicants have been accepted for admission to the college, they will be notified by letter from the Registrar's Office of their acceptance as a *Candidate* for the special program. The candidate will be asked to make an appointment with the director of the program for interview and further counseling within the week of receiving the acceptance letter.
6. *Deadlines:* Students will be notified by the Registrar's Office as to their acceptability. Records must be complete no later than June 1

for the Fall semester. However, early admissions will begin as early as March. High school seniors may be considered on seven (7) semester transcripts. Records must be completed no later than November 1 for those seeking admission in the Spring semester (if the program has spring admissions). Records must be complete no later than April 15 for those seeking admission in the Summer session (if the program has summer admissions). Individuals will be considered after those dates *only* if the program has additional openings.

ASSOCIATE DEGREE NURSING

1. Applicant must be eligible for admission to Galveston College.
2. Generally, applicants must have an ACT standard score of 14 as a minimum.
3. Students who have scores below 14 may be considered (1) if they have demonstrated an ability to do acceptable college work on *prescribed* courses, (2) or/and have prior appropriate training and/or experience.
4. Applicant must be a minimum of 17 years of age.
5. Director of program or Department Chairman will forward written recommendation on student to (1) Registrar's Office or (2) Admissions Committee for final action.
6. An unsatisfactory report on the physical examination form will result in automatic elimination of the candidate for admission to the program.

ASSOCIATED HEALTH OCCUPATIONS

1. Applicant must be eligible for admission at Galveston College.
2. Generally, applicants must have an ACT standard score of 9 as a minimum.
3. Students who have scores below 9 may be considered (1) if they have demonstrated an ability to do acceptable college work on *prescribed* courses, (2) and/or have prior appropriate training and/or experience.
4. Applicant must be a minimum of 17 years of age.
5. Director of program or Department Chairman will forward written recommendation on student to (1) Registrar's Office or (2) Admissions Committee for final action.
6. An unsatisfactory report on the physical examination form will result in automatic elimination of the candidate for admission to the program.

VOCATIONAL NURSING

1. Applicant must be eligible for admission to Galveston College.
2. Generally, applicants must have acceptable ACT standard score of 10 as a minimum.
3. Students must make a satisfactory score on the General Aptitudes Test Battery.
4. Students who have scores below 10 may be considered (1) if they have demonstrated an ability to do acceptable college work on *prescribed* courses, (2) and/or have prior appropriate training and/or experience.
5. Applicant must be between the ages of 17 and 55.
6. Director of program or Department Chairman will forward written recommendation on student to (1) Registrar's Office or (2) Admissions Committee for final action.
7. An unsatisfactory report on the physical examination form will result in automatic elimination of the candidate for admission to the program.

NURSE ASSISTANT PROGRAM

1. Applicant must make a satisfactory score on General Aptitude Test Battery.
2. Applicant must be between the ages of 18 and 55.
3. Applicant must have completed a minimum of 10th grade education or equivalent.
4. Director of program will forward written recommendation on student to (1) Registrar's office or (2) Admissions Committee for final action.
5. An unsatisfactory report on the physical examination form will result in automatic elimination of the candidate for admission to program.
6. Three references from professional people or employers are required.

INDUSTRIAL ENGINE MECHANICS

Applicants should contact Galveston College Registrar for admission.

REFRIGERATION MECHANICS

Applicants should contact Galveston College Registrar for admission.

COUNSELING AND GUIDANCE SERVICES

Individual counseling is available for all students at Galveston College. The Office of Student Personnel Services exists to enable the student to achieve and maintain maximum productivity as a person.

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, counseling 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 upper-division level of the senior institution of the student's choice is the overall aim of the assistance offered by the counseling services.

The Office of Student Personnel Services is located in Moody Hall.

Faculty Advisors

Students occasionally experience difficulties in adjusting to a college atmosphere and its individual approach to acquisition of knowledge. The college encourages the student not only to discuss educational problems with the subject matter instructor, but to seek advice and guidance from a Counselor. Each of these advisors has many successful years of college experience and can usually suggest solutions to the complex problems which arise.

TEMPORARY WAIVER OF ENTRANCE REQUIREMENTS (DOES NOT APPLY TO SPECIAL PROGRAMS)

A student who fails to meet the admission requirements at the time of his registration may enroll on a provisional basis after signing the following form which is issued and filed in the registrar's office:

**GALVESTON COLLEGE
WAIVER OF ENTRANCE REQUIREMENTS**

Date _____	DEADLINE 10 Days After Registration
Complete College Transcript(s)	Health Data Form
Complete High School Record	G.E.D. Scores
Social Security Number	A.C.T. Scores
College(s) or High School _____	

I hereby certify:

1. That I understand that I am being temporarily admitted to G.C. pending credentials checked above.
2. That these credentials will be used in determining my eligibility for admission.
3. That if I do not meet all entrance requirements, I will be required to withdraw and refunds will be made in accordance with the schedule outlined in the catalog.
4. That the responsibility for securing these credentials rests entirely with me, and further, I understand that I will be suspended from classes if all required records are not on file in the office of the Registrar by the date shown above.

Signature of Student _____

AMERICAN COLLEGE TESTING PROGRAM

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 Personnel Services, Moody Hall.

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

Communications 032 – Reading Improvement – Designed for students who have not acquired adequate reading skills as demonstrated by scores on the ACT. Students must remain enrolled in Reading Improvement until they have achieved a reading skill of Level V as required by Galveston College.

Basic English 131 – Sentence Building – Freshman students who score 15 or below in the English sub-test will be required to enroll in Basic English 131. No student may enroll for any Freshman English course without written approval from the Counselor's Office. This approval should be obtained *prior* to registration.

Biology 031 – Introduction to Biological and Physical Sciences – For all pre-ADN and AHO students as well as any student deficient in sciences as indicated by scores on ACT.

Mathematics 011, 012 and 013 – Basic Mathematics – For students who have deficient score in departmental examinations.

Mathematics 041 – Basic Algebra – For students who have no admission units in algebra or for those students who need to review algebra before continuing college level mathematics.

CAUTION: Freshman students who do not have ACT scores on record at time of registration will be required to enroll in Basic English 131 until evaluated. This may well result in schedule conflicts.

Note Regarding Exemption From ACT Requirement:

Students are exempt from ACT requirement under the following conditions:

1. If the student holds a college degree.
2. If the student has successfully completed 66 or more hours at a college or university.
3. If the student transfers 15 or more acceptable hours to this college.
4. Written consent of the Director of Student Personnel Services.
5. If the student is enrolled for non-credit.

Exceptions do not apply to students seeking admission to special programs (A.D.N., A.H.O., VN Nurse Assistant, etc.).

SERVICES TO FOREIGN STUDENTS

Problems relating to visas, customs and entrance requirements should be directed to the Registrar.

FINANCIAL AID

The financial aid program at Galveston College is designed to function as a multi-purpose financial assistance service for the students. Financial assistance consists of grants, loans, scholarships, and part-time employment which may be offered to students singly or in various combination packages. The purpose of the financial aid program at Galveston College is to provide assistance to students who, without such aid, would be unable to attend college. To be

considered for financial aid a student should be accepted for admission to the college with intention of enrolling as a full-time student in a degree or diploma-seeking program. The awarding of financial assistance is based primarily on the financial situation relating to the student and his family. Academic performance is also a significant criterion utilized in determining financial assistance.

How Need is Determined:

Since financial aid is awarded primarily on the basis of need, it is important to understand how need is determined. Essentially, financial need is the difference between the cost of the college education and the family's and student's ability to contribute to that education. While maintaining its objectively measured standard of living, a family that would need substantial financial aid to send a student to one college might need much less to meet the student's expense at another institution. Two elements must always be considered:

1. The amount of money the student and his family can reasonably be expected to contribute toward a definite period of education, usually an academic year.
2. The expenses of education during that period at the institution of higher education which the student plans to attend.

Financial need is the difference between these two amounts. The greater the difference, the greater the need, measured on a scale relative to college expenses.

The following classification of students are considered in determining financial aid:

1. Single students living at home and receiving parental support and for whom the family is claiming dependency benefits.
2. Single students *not* living at home but who are receiving parental support and for whom the family is claiming dependency benefits.
3. Single students *not* living at home and not receiving parental support and for whom the family is *not* claiming dependency benefits.
4. Married students who are receiving parental support even though not claimed by family for dependency.
5. Married students who are *not* receiving parental support.

The *Degree of Need* is documented from information provided by a "Family Financial Statement" (FFS) form, similar to that which parents prepare and submit on their Federal Income Tax Returns.

In addition to college expenses to which the family contributes, it is expected that the student himself will share in the responsibility for meeting his expenses. In determining ability to contribute, not only are the student's assets included, but it is anticipated that he will engage in summer employment.

While the college regards the ACT or CSS Need Analysis Systems as a very helpful guide, the student applicant is also required to complete the College's Student Financial Aid Application. In all cases, final determination of need and award amounts are made by the Student Financial Aid Office. In this way, individual attention is given to each application and awards are made in view of the student's particular situation.

To Apply:

1. Complete and submit all application forms located in back of catalog. The student is in all cases fully responsible for properly completing all required documents, and submitting them as required by set deadlines. In addition send to the Financial Aid Office:
2. A copy of the American College Testing Program, "Family Financial Statement," or the College Scholarship Service "Parents Confidential Statement." These forms may be obtained from the Office of Student Financial Aid. A fee is charged for processing the ACT (FFS) and should be paid by money order or personal check payable to ACT when submitting the completed application. A fee is charged for processing the CSS (PCS) and should be paid by money order or personal check payable to CSS.
3. Also send to the Student Financial Aid Office, The Galveston College Student Application for Financial Assistance and
4. An official transcript from the last school attended.

Awards will be *disbursed* at the time of registration for classes at the beginning of the fall and spring semester.

Late applications are considered only if funds remain available after all awards are made to applicants who filed within the deadline. Financial aid is awarded on the basis of one academic year (September to June). In order to continue to receive financial assistance, each student must reapply within the specified deadline dates for each succeeding academic year.

Policies

Students applying for financial aid are expected to be able to contribute at least \$300 toward their educational expense from summer employment. Students enrolled in a 12 month program are not expected to seek summer employment.

Should a student receiving financial aid go on scholastic probation, financial aid may be continued for one semester. Should the student continue to be on probation after one semester, the student must appeal to the Financial Aid Advisory Committee through the Director of Student Personnel Services for continued financial support.

In the case of all students receiving financial aid, it is the student's obligation and responsibility to report any changes in personal, financial and academic situations to the Financial Aid Advisor.

Deadlines:

For entry to school in . . . Fall of 1973	
Scholarships	May 1, 1973
Loans and Grants	July 2, 1973
For entry to school in . . . Spring of 1974	
Loans and Grants	October 15, 1973
Scholarships	November 15, 1973
For entry to school in . . . Fall of 1974	
Scholarships	May 1, 1974
Loans and Grants	July 5, 1974

LONG TERM LOAN PROGRAMS

- Hinson-Hazlewood Student Loan (formerly Texas Opportunity Plan).
- National Direct Student Loan
- Law Enforcement Education Program Loan
- Nursing Student Loan Program (Associate Degree Nursing Students).

SHORT TERM LOAN PROGRAMS

The Moody Loan Fund

The Moody Loan Fund, established in April, 1970, by the Trustees of the Moody Foundation, is designed to provide short term, interest free loans to students to cover the costs of tuition, fees and books. Loans are to be paid back over a 90-day period during the long semester, or a 30-day period during summer sessions. Application for a Moody short term loan may be made through the Office of Financial Aid.

The Sears-Roebuck Emergency Short Term Loan Fund. This loan program, established by the Sears-Roebuck Foundation, is designed to provide Mid-Management majors a means of meeting emergency financial needs with a short term, interest free, loan up to \$100, depending upon the nature of the emergency and the determination of the amount needed to meet the crisis by the financial aid advisor. The loan must be paid back within 90 days during the long semesters, 30 days during summer sessions. Application may be made through the Financial Aid Office. Mid-Management students are given first priority, business majors second priority, and other students third priority if funds are available.

Scholarships:

Galveston College General and Special Scholarships – Student must complete scholarship application and letter. Student must show financial need and plan to enroll as a full-time student. Scholarship awards vary in amount depending upon the corpus of the various scholarship funds. The student must be recommended by the Scholarship Committee.

Grant Programs:

- Educational Opportunity Grants.
- Law Enforcement Education Program.
- Nursing Scholarship Program (Associate Degree Nursing Students).

Tuition Exemption Programs:

Vocational Rehabilitation – Full-time students with vocational or physical handicap may be sponsored for tuition and fees only by Vocational Rehabilitation, a Division of The Texas Education Agency.

Hazlewood Act – Student must be a citizen of Texas, served during Spanish-American and/or World War II as nurses or U. S. Armed Forces members, honorably discharged and legal resident of Texas at induction. Student is exempt from cost of tuition. Student must submit copy of discharge papers and complete tuition exemption form.

Honor Graduate – Tuition for both semesters of first regular session immediately following high school graduation will be paid for highest ranking graduate in class from an accredited high school in the State of Texas. (Article 2654-1, Sec. 2, VATCS)

Orphans of National Guard and Texas Air National Guard Members – Tuition paid for child of member of U. S. Armed Service who was killed in action or who died while in the service. (Article 2654b-1, Sec. 1, 3, 4, 5, VATCS)

Members and/or Their Families of the Armed Forces Stationed in Texas – Application of resident rather than non-resident tuition fee to members of the Armed Forces stationed in Texas, their husband or wife, as the case may be, and their children. (Article 2654c, Sec. 1 (h), VATCS)

Employees and/or Their Families of Texas State Institutions of Higher Learning – Application of resident rather than non-resident tuition fee to teachers, professors, or other employees of Texas State Institutions of Higher Learning, their husband or wife, as the case may be, and their children. (Article 2654c, Sec. 1 (h), VATCS)

Children of Municipal Employees – Exemption of children of certain firemen, peace officers, employees of the Texas Department of Corrections and game wardens from payment of tuition and laboratory fees. (Article 2654f-1, VATCS)

Deaf or Blind Students – Exemption of deaf or blind students from payment of tuition fee. (Article 2654f-2, VATCS)

Connally-Carillo Act – Student must *not* have been a high school graduate prior to 1967. Student must be in the top 25% of class or top 20% on ACT. Student must be a citizen and resident of Texas, under 25 years of age. Combined parental and student yearly income below \$4,800. If married, include spouse's income too.

*** Student Employment**

College Work-Study Program – The program provides employment to students who have financial need, in order to help defray the costs of a higher education.

Student Job Placement – Offers all students interested in part-time or temporary jobs information on employment. Notices of jobs are posted on the Student Employment Bulletin Board.

*Galveston College has filed with the Department of Health, Education and Welfare, "Assurance of Compliance with the Department of Health, Education and Welfare Regulations under Title VI of the Civil Rights Act of 1964" and is an Equal Opportunity Employer.

TUITION AND FEES PER SEMESTER

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 packets will be held for late payment. *All scholarship and financial aid recipients must have completed financial arrangements prior to registration.*

Texas Residents

(Except students in ADN Nursing programs)

Semester Credit Hours Per Semester	Tuition Charge Per Semester
1	\$ 25.00
2	25.00
3	25.00
4	25.00
5	25.00
6	25.00
7	28.00
8	32.00
9	36.00
10	40.00
11	44.00
12	48.00
13	52.00
14	56.00
15	60.00
16	64.00
17	68.00
18	72.00

Out-of-State Residents

(Except students in ADN Nursing programs)

Semester Credit Hours Per Semester	Tuition Charge Per Semester
1	\$ 60.00
2	60.00
3	60.00
4	80.00
5	100.00
6	120.00
7	140.00
8	160.00
9	180.00
10 or more	200.00

Associate Degree Nursing Program Students

Semester Credit Hours Per Semester	Tuition Charge Per Semester
1	\$ 20.00
2	20.00
3	20.00
4	20.00
5	20.00
6	20.00
7	23.35
8	26.70
9	30.05
10	33.40
11	36.75
12	40.05
13	43.40
14	46.75
15	50.00
16	50.00
17	50.00
18	50.00

NOTE: Residence Definitions Do Not Apply to ADN Nursing Program Students of Galveston College.

Alien Students Other Than Nursing Students

Semester Credit Hours Per Semester	Tuition Charge Per Semester
1 - 14	\$ 200.00
15	210.00
16	224.00
17	238.00
18	252.00

After a student has turned in his class cards, a fee of \$2.00 will be charged for each class add or drop not initiated by the College. *This fee must be paid at the time of the change. No changes will be held for late payment.*

TUITION AND FEES FOR SPECIAL PROGRAMS

Vocational Nursing

Long-Term Semesters			
Tuition	per semester		\$40.00
Building Use Fee	per semester		15.00
Student Activity Fee	per semester		10.00
Health Fee	per semester		12.00
Laboratory Fee	per semester		4.00
Student Identification Card Fee	per semester		1.00
Summer Session			
Tuition			20.00
Student Identification Card Fee	per session		1.00

Nurse Assistant Program

One-Semester Program			
Tuition			\$30.00
Building Use Fee			15.00
Student Activity Fee			10.00
Health Fee			12.00
Laboratory Fee			2.00
Student Identification Card Fee			1.00

Refrigeration 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		1.00

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		1.00

TUITION AND FEES FOR 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.

FEES:

Laboratory Fees:

Accounting 141, 142, 241 and 242	\$ 5.00
Art 131, 132, 231, 232, 235 and 236	2.00
Associated Health Occupations 141 and 143	5.00
Associated Health Occupations 241, 242, 243, 244, 256, 155, 267 and 268	8.00
Biology 111, 112, 113, 114, 116, 117 and 118	8.00
Chemistry 141, 142, 241, 243 and 244	8.00
Drafting 120, 121, 123, 124, 132, 134, 135, 136, 231, 234, 235, 237, 238, 242, 245 and 246	2.00
Electronics 141, 142, 143, 144, 245, 246, 247 and 248	5.00
Electronics 249	8.00
Engineering 131, 132, 133 and 161	2.00
Foreign Language:	
French 141 and 142	5.00
Spanish 141 and 142	5.00
Machine Transcription 231	5.00
Nursing – Associate Degree – 161, 162, 163, 261, 262, 263 and 254	8.00
Office Machines 131 and 132	5.00
Office Simulation 291 and 292	8.00
Physical Education 1101, 1104, 1105, 1106, 1110, 1111, 1112, 1113, 1115, 1117, 1118, 2101, 2104, 2105, 2110, 2111, 2112, 2113, 2117 and 2118	5.00
Physics 141, 142, 143, 144, 241, 242, 243, 244 and 245	8.00
Printing 124, 132, 133, 135, 136, 137, 141, 261 and 262	5.00
Shorthand 141, 132 and 231	5.00
Typewriting 130, 132, 141, 231 and 232	5.00

Individual Instruction Fees:

Physical Education 1116 and 2116	\$ 20.00
Physical Education 2119 and 2120	15.00
Physical Education 2107 and 2108	10.00
Music 111, 112, 113 and 114	30.00
Music 121, 122, 123 and 124	60.00

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) (See Page 32.)	per semester hour	1.00
Graduation Fee (To be paid upon application for graduation) (See Page 53.)		5.00
Late Registration Fee		5.00
Student Identification Card 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 Occupational Students, Vocational Nursing Students, and Nurse Assistant Students)	per semester	12.00
Total annual fee		\$24.00
Advanced Placement Exams (See Page 47.)		
American College Test (Residual)		7.50

NOTICE: Fees are not refundable.

BAD CHECKS

A \$2.00 charge will be made by the College for each returned check.

REFUND POLICY

Students who withdraw from the College after registration will have their tuition refunded according to the following:

Through third calendar class day	100%
Through fourth calendar class day	50%

No refunds after the fourth calendar class day. Refunds made by check only after the fourth class day.

No refunds for dropping courses, only for withdrawal from College.

Fees Are Not Refundable.

Continuing Education Courses

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.

All refund requests and questions will be handled by the Office of Continuing Education and Evening Division.

RESIDENT CLASSIFICATION STUDENT RESPONSIBILITY

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

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

REGISTRATION

The formal registration of students is held prior to the beginning of classes each semester. The registration procedure is simplified if students complete their counseling and planning before the formal registration begins. Students enrolling for Freshman English courses are required to present English Placement Form at time of registration. (See Page 23, ACT Information). Details for registration procedures and course offerings are published each semester.

Prospective students are urged to apply for counseling interviews as early as possible. Except for actual class time selection and payment of fees, the entire registration process may be completed well in advance of the formal registration period, thereby simplifying and expediting the completion of the formal registration period.

Continuing Education Courses

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

Registration dates, times and place will be published.

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 DAVID GLENN HUNT MEMORIAL LIBRARY

The library opened its doors in February of 1968, and was dedicated to the memory of the first president of Galveston College, Dr. David Glenn Hunt, on December 15, 1968, in accordance with a resolution which was passed by the Board of Regents.

The materials and services of the library have been organized for use by the staff, faculty, and student body of the college. The library staff has been trained to assist these patrons in order to expedite and facilitate their use of the collection.

The collection contains basic reference works, specialized reference works, books in particular subject fields, current periodicals, leisure reading and vertical file materials, as well as an assortment of audio-visual equipment and materials.

The library collection has been selected to support the complete curriculum of the college; i.e., the university parallel, together with the vocational-technical and continuing education programs. In addition to this curriculum-oriented aspect, the library has been the recipient of a few rare editions of Texana and Galveston history.

Library hours are from 8:00 a.m. until 9:30 p.m., Mondays through Thursdays, and from 8:00 a.m. until 5:00 p.m. on Fridays, when school is in session. The library is not open on Saturdays and Sundays.

Library cards are issued to students after registration, and to staff and faculty upon their official appointment. The card must be presented at the circulation desk before material can be checked out. Replacement of a lost library card will be 25 cents. Students who withdraw from the College, or who re-enroll must return all library materials and pay any fines due before they may receive transcripts. Staff and faculty are asked to return all library materials as soon as possible after completion of use.

The library will honor inter-library loan requests from faculty and students, but prompt return of such material in good condition to the lending library is the responsibility of the requester.

For specific Rules and Regulations, please consult your *Library Handbook*.

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 fourteen members of the Senate are elected annually by the student body by popular vote. The President, Vice-President, Secretary, and the Treasurer are elected in the Spring. The representatives are divided equally between Freshmen and Sophomores.

The President of the Senate serves as an ex officio member of the Board of Regents of Galveston College.

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.

The Associated Health Occupations. The Associated Health Occupations (AHO) Organization was established at Galveston College in February of 1970. It is composed of members interested in and studying for a career in the health care professions in one of seven fields: Occupational Therapy, Physical Therapy, Mental Health, Radiologic Technology, Inhalation Therapy, Hospital Administration, Electroencephalography, or Orthotics. The Club seeks to gain recognition for AHO and to interest students in this program. Meetings are held monthly with no mandatory dues.

Athletics. Intercollegiate athletic teams are known as the "Dolphins". College teams participate as members of the Gulf Coast Junior College Intercollegiate Conference in basketball and baseball. Teams compete in this association in bowling, tennis, weight lifting, archery, volleyball, golf and surfing.

Biology Club. The Biology Club was established in March of 1969. It is an officially recognized college organization. Membership is open to all students of Galveston College but especially provides an opportunity for the students of the biological, medical, or agricultural sciences to have the common benefits of a professional association. The organization meets monthly.

Cheerleaders. Five cheerleaders are elected by the student body in the Fall. Any student not on scholastic or disciplinary probation but classified as a full-time student (as defined by the Student Government Constitution) is eligible to try out. After a try-out session before the entire student body, the top five (5) candidates are elected by popular vote. The person receiving the most votes is designated head cheerleader.

Circle K Club. The Circle K Club was established as an officially recognized organization of Galveston College in 1973. Circle K is a service organization through which college men can find a means of responsible student action in their communities and a more active involvement in the life of their campus.

College Publication. The College newspaper, "The Barometer" and the student magazine, *The Mariner*, are published periodically under the direction of student editors and student staff. The newspaper publishes official announcements as well as general news about campus happenings.

The staffs for college publications are open to all students. Students with prior newspaper or annual experience are especially encouraged to join the staff.

French Club La Salle. Club La Salle was established in February, 1968, and operates as an officially recognized organization of Galveston College. Membership is open to all students but particularly students enrolled in French courses. The club, through its yearly activities, promotes interest in the French language, culture and civilization, and participates in various community activities. It also provides for two \$50 scholarships at the end of the school year. The organization meets monthly and charges dues to all members.

Los Amigos Del Quixote. This Spanish Club was established in November of 1968 and is an officially recognized college organization. Membership is open to all students but particularly students enrolled in Spanish courses. The club promotes interest in the Spanish language, culture and civilization and takes part in various city and county welfare drives. It also provides for two \$40 scholarships to be given away at the end of the school year. The club meets monthly and charges dues to its members.

Mexican-American Student Organization. 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 every other week 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 Club. This club was established in October, 1970, and is an officially recognized organization. It is composed of students in the mid-management field. The organization seeks to develop leadership among students of mid-management, create interest and appreciation in vocational fields, encourage high standards in business and industry, and seeks to advance the status of management in the community. It was formerly named Mu Sigma Chi.

Phi Alpha Pi. Phi Alpha Pi was established in May, 1968, and is an officially recognized organization. It is a local fraternity for men dedicated to the promotion of a true spirit of brotherhood, intellectual stimulation, social activities and the support of Galveston College. Initiation fees and dues are charged to the members.

Phi Theta Kappa. Phi Theta Kappa was established in February, 1968, and is an officially recognized organization. It is an honorary scholastic fraternity whose membership is open each semester to students whose names appear on the Dean's or President's lists. There is an initiation fee but no dues. The organization meets monthly and is currently sponsoring tutoring service for the student body.

Speech and Theatre Guild. The Speech and Theatre Guild was established in October, 1972, as an officially recognized organization. The Guild provides an opportunity for exposure to, and exchange of, speech and theatre skills. In maintaining a fine balance between the academic and cultural affairs of the college, the organization serves as a vehicle for various speech and drama teams to represent Galveston College in university competition.

Sigma Tau Omega. Sigma Tau Omega was established in October of 1968 and is an officially recognized college organization. The objectives of this social sorority are to unite the members into a co-operative fellowship in order to enhance and promote the social and intellectual activities of the sorority and the college, and to be active in both college and community projects. Meetings are held weekly; installation fees and monthly dues are charged to the members.

Student Nurses Association. The Nursing Student Association was established in February, 1968, and is an officially recognized organization. It is composed of students in the Associate Degree Nursing Program and seeks to develop opportunities through group study and self-appraisal for further function as registered nurses. Meetings are held monthly and dues are charged members. Students may join the Texas Nursing Student's Association and the National Student Nurse's Association. Sophomores are eligible to join District 6 of Texas Nurse's Association.

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 students 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, in two departments many of the courses carry four-digit numbers (for example, Music 1301 and Physical Education 1101).

In this system of course number, 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, and "4" indicates four semester hours credit).

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 courses should be taken (for example, English 131 is understood to precede English 132 normally).

COURSE LOAD

Usually, a student who is enrolled for less than 12 semester hours is considered a part-time student. One who is enrolled for 12 or more semester hours is usually considered a full-time student. (See Student Handbook).

The normal course load during the regular semester is five academic courses, or from 15 to 18 semester hours. Physical education activity courses and other one-hour courses may be added above the five academic courses. No student will be permitted to enroll for six academic courses or for more than 18 semester hours without recommendation of a counselor. The normal load

during each six-week term of the summer session is 6 semester hours. The maximum load for a six-week session is 8 semester hours, and the maximum credit that a student may earn during the entire summer session is 14 semester hours.

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

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 himself 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.

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. Once a student has officially dropped a course he cannot re-enroll for that course.

NON-CREDIT COURSES

A student may enroll for any course offered by the college on a non-credit basis. The charges for enrolling on a non-credit basis will be the same as charges for credit enrollment (including tuition, student activity fee, and all other applicable fees as set forth in this catalog).

A student will register at the prescribed registration periods for non-credit courses. The student must specify *at time* of registration that he is enrolling for *non-credit*.

A student enrolled for non-credit does not receive a grade or a transcript, nor may a student change from non-credit to credit classification after he is registered.

Some courses offered exclusively on a non-credit basis will carry special fees.

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.

Any student who has missed six or more clock hours of instruction, not excused by the instructor, may receive a failing grade in the course.

A student who registers and does not attend class may be administratively withdrawn upon written recommendation of the instructor to the Director of Student Personnel Services. A student may appeal such a decision to the Director of Student Personnel Services.

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 for any course.

GRADING SYSTEM

Students and/or parents receive final grades at the end of each long term.

The quality of work done by the student is indicated on the college records by the following letters: "A," "B," "C," "D," "F," "I," "IP", "W", and "AW". These letters have the following significance:

VN Students:

VN grading system is different—see Student Handbook.

Letter Grade Description	Numerical Value	Grade Points Per Sem. Hr.
A=Excellent	90-100	4
B=Good	80-89	3
C=Average	70-79	2
D=Passing, but poor	60-69	1
F=Failure or unofficial drop	below 60	0

I=Incomplete work. *Note 1.

IP=In Progress. *Note 2.

W=Official withdrawal. (Not computed in grade point average.) *Note 3.

AW=Administrative Withdrawal. *Note 4.

*Note 1: Incomplete work may be completed through arrangements with the Vice President for Academic Affairs. Incomplete work must be completed within two (2) weeks from the end of the term in which the student was registered or a grade of F will be recorded. Exceptions to this policy will be considered by petition to the Director of Student Personnel Services.

*Note 2: Final grade will be assigned when course objectives are completed.

*Note 3: The last day to drop a course with "W" is one day before the official final examination schedule begins.

*Note 4: A student who registers and does not attend class may be administratively withdrawn upon written recommendation of the instructor to the

Director of Student Personnel Services. A student may appeal such a decision to the Director of Student Personnel Services.

REPEATED COURSES

If a student repeats a course at Galveston College, the hours and grade earned on only the last enrollment will be used in computing the cumulative grade point average for graduation requirements, even when the last grade earned is lower.

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 combined summer term.

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 Director of Student Personnel or the Faculty 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**

Semester Hours Attempted	Grade Point Requirements	Semester Hours Attempted	Grade Point Requirements
1-5	1-5	33	58
6	9	34	61
7	11	35	63
8	12	36	65
9	14	37	67
10	16	38	69
11	18	39	71
12	19	40	74
13	21	41	76
14	23	42	78
15	24	43	80
16	26	44	82
17	27	45	84
18	29	46	87
19	31	47	89
20	33	48	91
21	35	49	93
22	37	50	95
23	39	51	97
24	41	52	101
25	43	53	103
26	45	54	105
27	47	55	107
28	49	56	109
29	51	57	111
30	53	58	116
31	54	59	118
32	56	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, but will not be allowed to graduate.

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 Personnel Services, Moody Hall.

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. The Hinson-Hazelwood Student Loan (formerly Texas Opportunity Plan) and the Selective Service suggests 15 hours for full-time students.
- b. A student registered for twelve (12) or more semester hours is defined as a full-time student by the Veterans Administration.
- c. A student duly admitted and registered in the nursing curriculum is defined as a full-time student by Galveston College.

2. During the Summer Terms:

- a. A student registered for six (6) or more semester hours each term is defined as a full-time student by Galveston College, the Hinson-Hazelwood Student Loan and the Veterans Administration.
- b. Providing the student is making "satisfactory progress,"* summer terms are not required for Selective Service purposes.
*Satisfactory progress means that a student has completed one-fourth ($\frac{1}{4}$) of his total four (4) year plan in each calendar year.
- c. A student duly admitted and registered in the nursing curriculum is defined as a full-time student by Galveston College.

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. A student registered for nine (9) to eleven (11) semester hours is defined as a *three quarter* ($\frac{3}{4}$) *full-time student* by the Veterans Administration; a student registered for six (6) to eight (8) semester hours is defined as a *half* ($\frac{1}{2}$) *full-time student* by the Veterans Administration; and a student registered for five (5) semester hours or less is defined as earning tuition only by the Veterans Administration.

Services for Veteran Benefits and Social Security Benefit programs are processed by the Coordinator of Financial Aid and Placement.

The Student may secure needed Selective Service forms in the Office of the Registrar.

2. During the Summer Term:

- a. A student registered for less than six (6) semester hours for two consecutive terms is defined as a part-time student by Galveston College.
- b. A student registered for three (3) semester hours each term is defined as a half (½) full-time student by the Veterans Administration.

ADVANCED PLACEMENT

Galveston College offers course credit to academically qualified entering freshmen students who have completed work of college level prior to entry into college. Such credit may be obtained by making a score of 3 or better on the College Entrance Examination Board Advanced Placement Examinations.

College Board Advanced Placement Examinations are offered in English, European History, American History, French, German, Spanish, Biology, Chemistry, Physics, and Mathematics. The Advanced Placement Examinations are given once each year, usually in May.

High school seniors enrolled in major works or other college level courses should consult with their counselors about registering for and taking the CEEB Advanced Placement Examinations. Information concerning these examinations may also be obtained from the College Entrance Examination Board, Box 592, Princeton, N.J. 08540. (NOTE: The placement examinations are different from the Achievement Tests administered by the College Board).

If, on the basis of previous training and experience and within the limits explained below, a student has reason to believe that he can pass an examination on courses of freshman or sophomore rank within a limited number of hours, he may be permitted, on approval of the counselors, to make applications available to students who transfer to Galveston College from non-accredited colleges and universities. The examinations also are open to mature persons who learned the content of a particular course through experience or through previous training other than in the secondary school.

No student may attempt to earn credit by advanced standing examination in any course in which he has received a grade of F either in this College or elsewhere. Blanks for credit by examination may be obtained in the office of the counselors. These should be signed by the counselors and by the department head of the department offering the course.

A fee will be charged equivalent to the cost of *tuition* for a course. The fee will be paid to the counselor's office before the examination may be taken. The examination must be completed with a grade of B or above.

Departmental Advanced Placement exams in college parallel courses given locally may or may not be transferable. It is the student's responsibility to consult the senior college of his choice as to whether the college or university will accept locally prepared advanced placement exams.

Technical-Vocational Advanced Placement exams will be given by prior arrangements with the appropriate instructor.

Graduate Licensed Vocational Nurses and persons who have served in the Army or Navy as medical corpsman may take Advanced Placement examinations in Introduction to Nursing. (Nurs. 161)

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 3.4 in that semester.

WITHDRAWAL FROM COLLEGE

Any student withdrawing from the College must obtain the proper forms from the Registrar's Office and *secure clearance* as indicated on the forms. Students must also turn in identification card to the Student Personnel 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.

STUDENT DISCIPLINARY PROCEDURES

All complaints regarding student behavior from whatever source should be addressed to the Director of Student Personnel 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, as well as orally, 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 Director of Student Personnel Services may: (1) refer the complaint to the Faculty 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 Faculty Committee on Student Status shall be responsible for: (1) full investigation of all problems brought before it by the Director of Student Personnel Services; (2) hearing students accused of infractions of the College rules or policies; (3) recommendations for action to the Director of Student Personnel Services.

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

When the Faculty Committee on Student Status has recommended, and the Director of Student Personnel Services has determined upon an appropriate course of action, an accused student shall be informed of the proposed course of action and his right to appeal the decision of the Director of Student Personnel 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 and to do so in priority to other duties. Failure to heed such summons makes a student liable to suspension.

DEGREES

Galveston College offers three degree plans: (1) Associate in Arts; (2) Associate in Science; and (3) Associate in Applied Science. 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 must file a degree plan no later than the end of their first year of attendance at Galveston College.

This form is available in the Counselor's office.

REQUIREMENTS FOR GRADUATION

The requirements of each of the three (3) degree plans offered at Galveston College are described in the following outlines:

(sch—semester credit hours)

Associate in Arts

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

English—6 sch—composition and rhetoric.
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.

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 Director of Personnel Services. A minimum grade point average of 2.0 ("C") is required on all course work applying toward the degree. A student on academic probation will not be allowed to graduate.

Any change in this program *must* have prior approval and must be documented by a "Request Course Change on Degree Plan" form.

Associate in Science

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

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

Engineering majors—3 sch composition and rhetoric.
3 sch—literature.

American History—6 sch.

Government—6 sch.

Natural Science—8 sch.

Mathematics—6 sch.

Physical Education Activities—2 sch. (See Note 1 and Note 2)

Elective—24 sch.

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 Director of Student Personnel Services. A minimum grade point average of 2.0 ("C") is required on all course work applying toward the degree. A student on academic probation will not be allowed to graduate.

Any change in this program *must* have prior approval and must be documented by a "Request Course Change on Degree Plan" form.

Associate in Applied Science

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

Communications—6 sch.

Government 233 or Government 231 & 232

*Elective—to be taken in related course work. Zero or developmental courses may be applied as electives to this degree. The last 18 semester hours prior to graduation must be completed at Galveston College. Exceptions will be considered by special petition made to the Director of Student Personnel Services. (See Note 2)

A minimum grade point average of 2.0 ("C") is required on all course work applying toward the degree. A student on academic probation will not be allowed to graduate.

Any change in this program must have prior approval and must be documented by a "Request Course Change on Degree Plan" form.

***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 Director of Student Personnel 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 required 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 department chairman 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

Transcripts are issued by the Office of the Registrar. Students in good standing receive one copy of their permanent record at no cost. Additional copies may be ordered for a cost of \$1 each. This fee must be paid in advance.

CHANGE OF ADDRESS

Students must report any change of mailing address to the Registrar.

CHANGE OF NAME

The listing of your name at Galveston College is originally recorded from your admission application. A change of your name thereafter, by marriage or for any other reason, should be promptly reported to the Office of the Registrar.

GRADUATION PROCEDURES

The procedures for graduation are enumerated below:

1. File an application for graduation form with the Registrar.*
2. *The application for graduation for mid-term graduates must be filed by November 1 of the fall semester immediately prior to graduation. The application for graduation for spring graduates must be filed by March 1 of the spring semester immediately prior to graduation.*

* See Counselor for course selection.

3. Students may apply for graduation under existing catalog requirements or under the catalog requirements in effect when entering Galveston College.
4. All graduating students must attend graduation exercises unless specifically excused by the Director of Student Personnel Services.
5. A graduation fee of \$5.00 will be charged to cover degree expenses, expenses of graduation exercise, and expenses of reception.
6. Cap and gown rental will be ordered through the Bookstore.
7. Class rings, nursing pins, etc., will be ordered through the Bookstore.
8. Eligible nursing students will pay State Board Examining fee to the Business Office.
9. Invitations will be ordered through the Bookstore.

*This is not the same as filing a degree plan.

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 and 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 his major field no later than the end of his first year of attendance at the junior college and upon request for admission by transfer to a senior institution.

THE OCCUPATIONAL EDUCATION PROGRAM

The primary purpose of the occupational education program is to prepare students for entry into, and advancement in, specialized occupations requiring less than four-year college preparation. Specialized programs are developed as needs of students dictate and as employment opportunities for graduates can be determined.

THE CONTINUING EDUCATION PROGRAM

The objective of the program is to make the educational resources of the College available to the general public. Courses are designed to satisfy the needs and desires of citizens of the community. Continuing Education courses do not necessarily follow the traditional college calendar in length and number of class meetings and do not carry college credit.

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.

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 are available to the student who needs professional assistance in program planning. Faculty members are also available to students for consultation in specialized areas.

The suggested university parallel programs listed in this catalog were developed using guidelines recently adopted by the Coordinating Board, Texas College and University System.

A summary sheet of these guidelines is presented in Table II.

EXPLANATION OF THE COURSE NUMBER SYSTEM

The courses offered by Galveston College usually carry three digit numbers (for example, History 131). However, in two departments many of the 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, and "4" indicates four semester hours credit).

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 courses should be taken (for example, English 131 is understood to precede English 132 normally).

SUGGESTED CURRICULA UNIVERSITY PARALLEL PROGRAMS

These programs are designed to lead to an Associate of Arts or an Associate of Science Degree and should be regarded as *guidelines* to assist a student in planning his 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 desires to transfer for upper division work. It is suggested that each student consult with a counselor before each registration period to evaluate his 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.

TABLE II
CORE CURRICULA

Subject	<i>Major Field I</i> Bachelor of Arts Degree in Arts and Sciences Bachelor of Science Degree in Mathematics and Natural Sciences	<i>Major Field II</i> Bachelor's Degree in Business Administration (including Accounting)	<i>Major Field III</i> Bachelor's Degree in Engineering
a. English Language Proficiency (i.e., Freshman English)	6 hours	6 hours	9 hours
b. Literature	6 hours	6 hours	
c. Government (to meet state statute requirement)	6 hours	6 hours	6 hours
d. History (to meet state statute requirement)	6 hours	6 hours	6 hours
e. Natural Science A	6-8 hours Biological Science	6-8 hours	8 hours Chemistry*
f. Natural Science B	6-8 hours Physical Science	8 hours Physics*
g. Mathematics (collegiate level)	6 hours	6 hours (college algebra plus sequential course appropriate to a business degree)	9 hours (analytical geometry and calculus)
h. Foreign Language	For the B.A. Degree: 12-14 hours in a single language. For the B.S. Degree: 6-8 hours in a single language.		
i. Humanities Electives Excluding courses in literature beyond (b) above, also no more than 12-14 hours of foreign language may be used in (h) and (i) combined.	6 hours	9 hours 6 hours Economics 6 hours Accounting	3 hours (to satisfy ECPD requirements) 3 hours Engineering Mechanics 2 hours Engineering Graphics
j. Special Courses		

*The content of these courses and the mathematics prerequisites and corequisites of these courses must be the same as these same courses in the curricula of ECPD accredited senior colleges.

ART

(This curricula meets the degree requirements of an Associate in Applied Science. Students desiring an Associate in Arts or an Associate in Science should consult a counselor for selection of electives.)

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Art 131	3	Art 132	3
Art 135	3	Art 136	3
** English 131	3	English 132	3
History 131	3	History 132	3
* Elective	3 or 4	*Elective	3 or 4
P E (Activity)	<u>1</u>	P E (Activity)	<u>1</u>
	16 or 17		16 or 17

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Art 231	3	Art 232	3
Art 235	3	Art 236	3
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 232	3
* Elective	<u>3</u>	* Elective	<u>3</u>
	15		15

Total Semester Credit Hours in Program 62 or 64

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

BIOLOGY+

FIRST YEAR

First Semester	Biology 131	1	
	Biology 111	4	
	Mathematics 142	3	
**	English 131	4	
	Chemistry 141	1	
	P E (Activity)		16
Credit Hours			<hr/>
Second Semester	Biology 132	3	
	Biology 112	1	
	Mathematics 143	4	
	English 132	4	
	Chemistry 142	1	
	P E (Activity)		16
Credit Hours			<hr/>

SECOND YEAR

First Semester	Physics 241	4	
	Chemistry 243	4	
	English 231, 234	3	
	or 236	3	
	Government 231	3	
	History 131	3	
Credit Hours			<hr/>
Second Semester	Physics 242	4	
	Chemistry 244	4	
	English 232, 235	3	
	or 237	3	
	Government 232	3	
	History 132	3	
Credit Hours			<hr/>
Total Semester Credit Hours in Program			66

+ See Counselor for requirements for an Associate in Arts Degree.
 ** Student entering college with insufficient English preparation
 an additional semester of English or more.

BUSINESS ADMINISTRATION
FIRST YEAR

First Semester		Second Semester	
	Credit Hours		Credit Hours
Bus. Adm. 131	3	English 132	3
** English 131	3	History 132	3
History 131	3	Mathematics 135	3
Mathematics 134	3	Biology 132	1
Biology 131	3	Biology 112	3
Biology 111	1	Psychology 131	3
P E (Activity)	1	P E (Activity)	1
	<hr/>		<hr/>
	17		17

SECOND YEAR

First Semester		Second Semester	
	Credit Hours		Credit Hours
Accounting 241	4	Accounting 242	4
Economics 231	3	Bus. Adm. 231	3
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Economics 232	3
Sociology 131	3	Government 232	3
	<hr/>		<hr/>
	16		16

Total Semester Credit Hours in Program66

CHEMISTRY, PHYSICS AND/OR MATHEMATICS
FIRST YEAR

First Semester		Second Semester	
	Credit Hours		Credit Hours
** English 131	3	English 132	3
History 131	3	History 132	3
Mathematics 138	3	Mathematics 139	3
Chemistry 141	4	Chemistry 142	4
P E (Activity)	1	Physics 243	4
	<hr/>	P E (Activity)	1
	14		<hr/>
			18

Students entering college with insufficient English preparation may require additional semester of English or more.

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 232	3
Mathematics 231	3	Mathematics 232	3
Physics 244	4	Physics 245	4
Chemistry 243 or Advanced Mathematics	3 or 4	Chemistry 244 or Advanced Mathematics	3 or 4
	<u>17 or 18</u>		<u>17 or 18</u>

Total Semester Credit Hours in Program 66 or 68

LIBERAL ARTS

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
** English 131	3	English 132	3
History 131	3	History 132	3
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
* Foreign Language	4	* Foreign Language	4
* Elective	3	* Elective	3
P E (Activity)	1	P E (Activity)	1
	<u>18</u>		<u>18</u>

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 231, 234 or 236	3	English 232, 235, or 237	3
Government 231	3	Government 232	3
* Foreign Language	3	* Foreign Language	3
* Fine Arts	3	* Fine Arts	3
* Physical Sciences or Math	3 or 4	* Physical Sciences or Math	3 or 4
	<u>15 or 16</u>		<u>15 or 16</u>

Total Semester Credit Hours in Program 66 or 68

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

PHYSICAL EDUCATION

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
** English 131	3	English 132	3
History 131	3	History 132	3
Speech 131	3	* Mathematics	3 or 4
Physical Education 131	3	Psychology 131	3
P E (Activity)	1	P E (Activity)	1
	<u>17</u>		<u>17 or 18</u>

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 232	3
* Mathematics	3 or 4	Physical Education 232	3
Physical Education 231	3	* Elective	3
* Elective	3	P E (Activity)	1
P E (Activity)	1	P E (Activity)	1
	<u>16 or 17</u>		<u>14</u>

Total Semester Credit Hours in Program 64 or 66

PRE-DENTAL

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
** English 131	3	English 132	3
History 131	3	History 132	3
Mathematics 138	3	Mathematics 139	3
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
Chemistry 141	4	Chemistry 142	4
P E (Activity)	1	P E (Activity)	1
	<u>18</u>		<u>18</u>

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 232	3
Physics 241	4	Physics 242	4
Biology 235	3	Sociology 131	3
Biology 215	1	Speech 131	3
	14		16

Total Semester Credit Hours in Program 66

PRE-ELEMENTARY EDUCATION AND/OR PRE-SPECIAL EDUCATION

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
** English 131	3	English 132	3
History 131	3	History 132	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	Credit Hours	Second Semester	Credit Hours
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 232	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.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

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	Credit Hours	Second Semester	Credit Hours
Chemistry 141	4	Chemistry 142	4
** English 131	3	English 132	3
Engineering 131	3	Physics 243	4
History 131	3	Mathematics 139	3
Mathematics 138	3	History 132	3
P E (Activity)	1	P E (Activity)	1
	17		18

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Physics 244	4	Physics 245	4
Government 231	3	Government 232	3
Mathematics 231	3	Mathematics 232	3
English 231, 234 or 236	3	English 233	3
* Elective	3	* Elective	3
	16		16

Total Semester Credit Hours in Program67

* See Counselor for course selection.

** Student entering college with insufficient English preparation may require an additional semester of English or more.

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

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
** English 131	3	English 132	3
History 131	3	History 132	3
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
Psychology 131	3	* Psychology	3
Sociology 131	3	* Sociology	3
P E (Activity)	<u>1</u>	P E (Activity)	<u>1</u>
	17		17

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 232	3
Chemistry 141	4	Chemistry 142	4
* Elective	3	* Elective	3
* Elective	<u>3</u>	* Elective	<u>3</u>
	16		16

Total Semester Credit Hours in Program66

PRE-LAW

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
** English 131	3	English 132	3
History 131	3	History 132	3
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
* Mathematics	3 or 4	* Mathematics	3 or 4
Psychology 131	3	Sociology 131	3
P E (Activity)	<u>1</u>	P E (Activity)	<u>1</u>
	17 or 18		17 or 18

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 232	3
Accounting 241	4	Accounting 242	4
Economics 231	3	Economics 232	3
Speech 131	3	Philosophy 131	3
	16		16
Total Semester Credit Hours in Program68			

PRE-MEDICAL TECHNOLOGY

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
** English 131	3	English 132	3
Mathematics 141	4	Mathematics 143	4
Chemistry 141	4	Chemistry 142	4
P E (Activity)	1	P E (Activity)	1
	16		16

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 235	3	Physics 242	4
Biology 215	1	History 132	3
History 131	3	Government 232	3
Government 231	3	Psychology 131	3
English 231, 234 or 236	3	English 232, 235 or 237	3
Physics 241	4		
	17		16
Total Semester Credit Hours in Program65			

* See Counselor for course selection.

** Student entering college with insufficient English preparation may require an additional semester of English or more.

PRE-MEDICAL RECORD ADMINISTRATION+

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
** English 131	3	English 132	3
History 131	3	History 132	3
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
Bus. Adm. 131	3	Bus. Adm. 231	3
Mathematics 141	4	Mathematics 143	4
P E (Activity)	1	P E (Activity)	1
	<hr/> 18		<hr/> 18

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 133	3	Government 232	3
Biology 113	1	Speech 131	3
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	* Psychology	3
Sociology 131	3	* Sociology	3
Psychology 131	3		
	<hr/> 16		<hr/> 15

Total Semester Credit Hours in Program67

PRE-MEDICINE

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
** English 131	3	English 132	3
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
Chemistry 141	4	Chemistry 142	4
Mathematics 138	3	Mathematics 139	3
P E (Activity)	1	P E (Activity)	1
	<hr/> 16		<hr/> 16

+ Student must have ability to type 40 WPM.

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
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 232	3
History 131	3	History 132	3
	17		17

Total Semester Credit Hours in Program66

PRE-B.S. IN NURSING

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 133	3	Biology 134	3
Biology 113	1	Biology 114	1
** English 131	3	English 132	3
History 131	3	History 132	3
Psychology 131	3	Psychology 231	3
* Elective	3	* Elective	3
	16		16

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 235	3	Government 232	3
Biology 215	1	* Natural Science	3 or 4
Sociology 131	3	* Elective	3
Psychology 234	3	* Elective	3
Government 231	3	* Elective	3
* Elective	3		
	16		15 or 16

Total Semester Credit Hours in Program 63 or 64

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

PRE-OCEANOGRAPHIC TECHNOLOGY

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Chemistry 141	4	Chemistry 142	4
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
** English 131	3	English 132	3
Mathematics 141	4	Mathematics 143	4
P E 2110	1	P E 2111	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Physics 241	4	Physics 242	4
History 131	3	History 132	3
Mathematics 138	3	Mathematics 139	3
English 231, 234, or 236	3	English 232, 235, or 237	3
Speech 131	3	Engineering 131	3
	<hr/>		<hr/>
	16		16

Total Semester Credit Hours in Program64

PRE-OCCUPATIONAL THERAPY

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
** English 131	3	English 132	3
History 131	3	History 132	3
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
Mathematics 141	4	* Psychology	3
Psychology 131	3	Sociology 131	3
P E (Activity)	1	P E (Activity)	1
	<hr/>		<hr/>
	18		18

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 232	3
Chemistry 141 or Physics 241	4	Chemistry 142 or Physics 242	4
* Sociology	3	* Elective	3
* Elective	3	* Elective	3
	16		16

Total Semester Credit Hours in Program68

PRE-PHARMACY⁺

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
** English 131	3	English 132	3
* Mathematics 138	3	* Mathematics 139	3
Chemistry 141	4	Chemistry 142	4
History 131	3	History 132	3
P E (Activity)	1	P E (Activity)	1
	18		18

+ Student should take typewriting in high school; otherwise, he should schedule it during his 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.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Chemistry 243	4	Chemistry 244	4
Biology 235	3	Physics 242	4
Biology 215	1	Economics 231	3
Physics 241	4	Government 232	3
Government 231	3	English 232, 235 or 237	3
English 231, 234 or 236	3		
	18		17

Total Semester Credit Hours in Program71

PRE-PHYSICAL THERAPY

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
**English 131	3	English 132	3
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
Chemistry 141	4	Chemistry 142	4
History 131	3	History 132	3
Psychology 131	3	Sociology 131	3
P E (Activity)	1	P E (Activity)	1
	18		18

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 231, 234 or 236	3	English 232, 235 or 237	3
Physics 241	4	Physics 242	4
* Sociology	3	Government 232	3
* Psychology	3	* Elective	3
Government 231	3	* Elective	3
	16		16

Total Semester Credit Hours in Program68

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

PRE-VETERINARY MEDICINE

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
Chemistry 141	4	Chemistry 142	4
** English 131	3	English 132	3
Mathematics 141	4	Mathematics 143	4
P E (Activity)	1	P E (Activity)	1
	16		16

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
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 232	3
History 131	3	History 132	3
	17		17

Total Semester Credit Hours in Program66

SPEECH

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
** English 131	3	English 132	3
History 131	3	History 132	3
Speech 131	3	Speech 134	3
Biology 131	3	Biology 132	3
Biology 111	1	Biology 112	1
Mathematics 141	4	Mathematics 143	4
P E (Activity)	1	P E (Activity)	1
	18		18

** Students entering college with insufficient English preparation may require an additional semester of English or more.

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 231, 234 or 236	3	English 232, 235 or 237	3
Government 231	3	Government 232	3
Speech 132	3	Speech 135	3
Drama 131	3	Drama 136	3
* Elective	3	* Elective	3
	15		15
Total Semester Credit Hours in Program		66	

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

SUGGESTED CURRICULA
OCCUPATIONAL EDUCATION 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 chairman of the particular program in which they are studying. Departures from prescribed curricula *must* be approved by the departmental chairman 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**

1. Students must maintain a grade of C, or better, in nursing and science courses for progression in the program. In addition, nursing majors must meet the academic standards required of all students at Galveston College.
2. A student who fails to receive a "satisfactory" evaluation in the clinical practice laboratory will receive a failing grade in a nursing course regardless of the theory grade achieved.
3. All courses in the Nursing curriculum, as outlined below, must be taken in sequence, except by permission of the Department Chairman.

ASSOCIATE DEGREE NURSING (Continued)

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 136	3	Biology 137	3
Biology 116	1	Biology 117	1
** English 131	3	English 132	3
Psychology 131	3	Sociology 131	3
Nursing 161	<u>6</u>	Nursing 162	<u>6</u>
	16		16

SUMMER SESSION (First or Second Six Weeks)

Nursing 163	<u>6</u>
	6

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 138	3	Nursing 262	6
Biology 118	1	Nursing 263	6
Psychology 231	3		
Government 233	3		
Nursing 261	<u>6</u>		<u> </u>
	16		12

SUMMER SESSION (First Six Weeks)

Nursing 215	1
Nursing 254	<u>5</u>
	6

Total Semester Hours in Program 72

** Students entering college with insufficient English preparation may require an additional semester of English or more.

Galveston College offers a nursing major in cooperation with Brazosport College. All general education courses, Nursing 161, Nursing 162, and Nursing 263 are offered on the Brazosport College campus. Nursing 163, Nursing 261, and Nursing 262 are offered on the Galveston College campus only. Nursing 215 and Nursing 254 are offered on both campuses. The Community Hospital of Brazosport is used as a clinical facility. For course descriptions of the listed general education courses and for enrollment information, see the Brazosport College Catalog.

**BRAZOSPORT – GALVESTON COLLEGES COOPERATIVE
ASSOCIATE DEGREE NURSING PROGRAM**

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biology 144	4	Biology 154	4
Chemistry 154	4	Biology 164	4
English 133	3	Psychology 203	3
Nursing 161	<u>6</u>	Nursing 162	<u>6</u>
	17		16

SUMMER SESSION (First or Second Six Weeks)

Nursing 163	<u>6</u>
	6

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Psychology 213	3	Government 213	3
Sociology 103	3	Nursing 262	6
English 223	3	Nursing 263	6
Nursing 261	<u>6</u>		<u>6</u>
	15		15

SUMMER SESSION (First Six Weeks)

Nursing 254	5
Nursing 215	<u>1</u>
	6

Total General Education Semester Credit Hours	34
Total Nursing Semester Credit Hours	<u>42</u>
Total Semester Credit Hours in Program	76

ASSOCIATED HEALTH OCCUPATIONS

Enrollment capacity for following programs in sophomore year are:

Community Health Worker	6
Electroencephalography Technologist	6
Hospital Management Assistant	4
Occupational Therapy Assistant	10
Orthotics Assistant	2
Physical Therapist Assistant	2
Radiologic Technologist	36
Respiratory Therapist	10

Core courses are required of all students the first year. The individual study track determines the course requirements during the second year.

CORE CURRICULUM

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
AHO 141	4	AHO 143	4
AHO 132	3	AHO 134	3
* Biology 133	3	Biology 134	3
* Biology 113	1	Biology 114	1
** English 131	3	English 132	3
Sociology 131	3	Psychology 131	3
	17		17

All students in all clinical phases of their education must maintain an average of "C" in each unit of instruction. (A course may be comprised of several units of instruction.)

* Clinical Essentials

** Students entering college with insufficient English preparation may receive an additional semester of English or more.

COMMUNITY HEALTH WORKER

FIRST YEAR

SECOND SUMMER SESSION

AHO 155 5
5

SECOND YEAR

First Semester

AHO 241	4
AHO 242	4
Business Math. 133	3
Government 233	3
Psychology 231	3
	<u>17</u>

Second Semester

AHO 232	3
AHO 243	4
AHO 244	4
Psychology 233	3
	<u>14</u>

Total Semester Credit Hours in Program 70

ELECTROENCEPHALOGRAPHY TECHNOLOGIST

FIRST YEAR

SECOND SUMMER SESSION

AHO 155 5
5

SECOND YEAR

First Semester

AHO 241	4
AHO 242	4
Business Math. 133	3
Psychology 233	3
	<u>14</u>

Second Semester

AHO 232	3
AHO 243	4
AHO 244	4
Government 233	3
	<u>14</u>

FIRST SUMMER SESSION

AHO 256 5
5

Total Semester Credit Hours in Program 80

HOSPITAL MANAGEMENT ASSISTANT

FIRST YEAR

SECOND SUMMER SESSION

AHO 155	<u>5</u>
	5

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
AHO 241	4	AHO 232	3
AHO 242	4	AHO 243	4
Accounting 141	4	AHO 244	4
Government 233	3	Accounting 142	4
		Bus. Adm. 231	<u>3</u>
	<u>15</u>		18

Total Semester Credit Hours in Program72

RESPIRATORY THERAPIST

FIRST YEAR

SECOND SUMMER SESSION

AHO 155	<u>5</u>
	5

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
AHO 241	4	AHO 232	3
AHO 242	4	AHO 243	4
Mathematics 141	4	AHO 244	4
Physical Science 241	4	Biology 235	3
		Biology 215	1
		Government 233	<u>3</u>
	<u>16</u>		18

FIRST SUMMER SESSION

AHO 256	<u>5</u>
	5

RESPIRATORY THERAPIST

(Continued)

SECOND SUMMER SESSION

AHO 267 6
6

THIRD YEAR

First Semester	Credit Hours
AHO 268	<u>6</u>
	6

Total Semester Credit Hours in Program90

OCCUPATIONAL THERAPY ASSISTANT

FIRST YEAR

SECOND SUMMER SESSION

AHO 155 5
5

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
AHO 241	4	AHO 232	3
AHO 242	4	AHO 243	4
Business Math. 133	3	AHO 244	4
Government 233	3	Psychology 233	3
Psychology 231	<u>3</u>		<u>14</u>
	17		

Total Semester Credit Hours in Program70

ORTHOTICS ASSISTANT

FIRST YEAR

SECOND SUMMER SESSION

AHO 155 5
5

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
AHO 241	4	AHO 232	3
AHO 242	4	AHO 243	4
Psychology 231	3	AHO 244	4
Psychology 233	3	Bus. Math. 133	3
		Government 233	3
	<hr/>		<hr/>
	14		17

FIRST SUMMER SESSION

AHO 256 5
5

Total Semester Credit Hours in Program75

PHYSICAL THERAPIST ASSISTANT

FIRST YEAR

SECOND SUMMER SESSION

AHO 155 5
5

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
AHO 241	4	AHO 232	3
AHO 242	4	AHO 243	4
Government 233	3	AHO 244	4
Psychology 233	3	Bus. Math. 133	3
		Psychology 231	3
	<hr/>		<hr/>
	14		17

Total Semester Credit Hours in Program70

RADIOLOGIC TECHNOLOGIST

In addition to maintaining a "C" average in all units of clinical education, students must successfully pass an examination of proficiency before completing this program.

FIRST YEAR

FIRST SUMMER SESSION

Government 233	3
Mathematics 141	<u>4</u>
	7

SECOND SUMMER SESSION

AHO 155	<u>5</u>
	5

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
AHO 241	4	AHO 232	3
AHO 242	4	AHO 243	4
Physics 246	<u>4</u>	AHO 244	<u>4</u>
	12		11

FIRST SUMMER SESSION

AHO 256	<u>5</u>
	5

SECOND SUMMER SESSION

AHO 267	<u>6</u>
	6

THIRD YEAR

First Semester	Credit Hours
AHO 268	<u>6</u>
	6
Total Semester Credit Hours in Program	88

ELECTRONIC TECHNOLOGY

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Electronics 141	4	Electronics 143	4
Electronics 142	4	Electronics 144	4
Physics 141	4	Physics 142	4
Mathematics 144	4	Mathematics 145	4
Government 233	3	** English 131	3
	19		19

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Electronics 245	4	Electronics 247	4
Electronics 246	4	Electronics 248	4
Mathematics 235	3	Electronics 249	4
English 132	3	* Elective	3
Drafting 121	2	* Elective	3
	16		18

Total Semester Credit Hours in Program 72

ENGINEERING—DRAFTING

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Drafting 120	2	Drafting 123	2
Drafting 121	2	Drafting 132	3
Drafting 135	3	Drafting 134	3
***Engineering 161	6	Drafting 136	3
**English 131	3	Engineering 133	3
	16	English 132	3
			17

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

***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.

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
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 66

FIRE TECHNOLOGY

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Fire 131	3	Fire 132	3
Fire 133	3	Fire 231	3
** English 131	3	Psychology 131	3
Business Math. 133	3	*Elective	3
Speech 131	3	*Elective	3
	15		15

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Fire 134	3	Fire 233	3
Fire 232	3	Fire 234	3
Government 233	3	Economics 232	3
Economics 231	3	Sociology 131	3
*Elective	3	*Elective	3
	15		15

Total Semester Credit Hours in Program 60

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

LAW ENFORCEMENT

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
+ 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	Credit Hours	Second Semester	Credit Hours
+ 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 Program60

* See Counselor for course selection.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

+ 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.

MID-MANAGEMENT

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Management 131	3	Management 132	3
Management 121	2	Management 122	2
Bus. Math. 133	3	Office Machines 132	3
** English 131	3	Bus. Math. 134	3
Office Machine 131	3	Economics 233	3
Bus. Comm. 131	3	Speech 131 or 135	3
	17		17

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Management 231	3	Management 232,	
Management 221	2	233 or 235	3
Accounting 141	4	Management 222	2
Bus. Comm. 232	3	Accounting 142	4
Bus. Admin. 231	3	Government 233	3
* Elective	3	* Elective	3
	18		15

Total Semester Credit Hours in Program67

* Electives may be specified according to career goals. Other courses may be selected in lieu of some courses in curriculum for students working in specialized areas, subject to approval of the Department Chairman and Counselors.

** Students entering college with insufficient English preparation may require an additional semester of English or more.

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	Credit Hours	Second Semester	Credit Hours
Banking 131	3	Accounting 141	4
Economics 231	3	Banking 132	3
**English 131	3	Speech 135	3
Psychology 131	3	Management 132	3
Bus. Math. 134	3	Bus. Comm. 232	3
Banking 121	2	*Banking Elective	3
	17		19

SUMMER SESSION

Banking 133	3
Banking 122	2
	5

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Accounting 142	4	Management 231	3
Government 233	3	Banking 234	3
Banking 231	3	Banking 235	3
Banking 232	3	Banking 236	3
Banking 233	3	*Specified Elective	3
Banking 211	1	*General Elective	3
	17		18

Total Semester Credit Hours in Program76

* See Chairman of Department of Mid-Management for course selection.

**Students entering college with insufficient English preparation may require an additional semester of English or more.

OFFICE OCCUPATIONS

SECRETARIAL PROGRAM

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Bus. Comm. 131	3	Bus. Comm. 232	3
Bus. Math. 133	3	Bus. Math. 134	3
Shorthand 141	4	Office Machines 131	3
Typewriting 132	3	Shorthand 132	3
**English 131	3	Government 233	3
	<hr/>		<hr/>
	16		15

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Office Simulation 291	9	Office Simulation 292	9
Accounting 141	4	Accounting 142	4
Charm 231	3	Shorthand 231	3
	<hr/>		<hr/>
	16		16

Total Semester Credit Hours in Program63

** Students entering college with insufficient English preparation may require an additional semester of English or more.

GENERAL OFFICE PROGRAM

FIRST YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Bus. Comm. 131	3	Bus. Comm. 232	3
Bus. Math. 133	3	Bus. Math. 134	3
* Typewriting 141 or 132	3 or 4	Office Machines 131	3
** English 131	3	Typewriting 132 or	
***Elective	3	***Elective	3
	<hr/>	Government 233	3
	15 or 16		<hr/>
			15

SECOND YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Office Simulation 291	9	Office Simulation 292	9
Accounting 141	4	Accounting 142	4
Charm 231	3	***Elective	3
	<hr/>		<hr/>
	16		16

Total Semester Credit Hours in Program 62 or 63

* Students who can type 35 w.p.m. or more within a 5-error limit may substitute Typewriting 132 for Typewriting 141.

**Students entering college with insufficient English preparation may require an additional semester of English or more.

***Electives are subject to approval by the Chairman 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 chairman prior to enrollment in these programs.

DRAFTING

(Certificate Program)

(1144 Contact Hours)

	First Semester	Credit Hours
DRFT 120	Basic Technical Research	2
DRFT 121	Sketching and Blueprint Reading I	2
DRFT 135	Lettering	3
DRFT 237	Freehand Sketching	3
*ENGR 161	Engineering Graphics	6
		<hr/>
		16
	Second Semester	Credit Hours
DRFT 123	Sketching and Blueprint Reading II Plans and Maps	2
DRFT 132	Machine Drafting	3
DRFT 134	Pipe Drafting	3
DRFT 234	Map Drafting	3
DRFT 235	Technical Illustration	3
ENGR 133	Engineering Design	3
		<hr/>
		17

* 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.

OFFSET PRINTING

(One Year Certificate Program)

First Semester	Credit Hours	Second Semester	Credit Hours
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
		English 132	3
	15		16

FIRST SUMMER SESSION

Printing 261 6

SECOND SUMMER SESSION

Printing 262 6

Total Semester Credit Hours in Program43

** Students entering college with insufficient English preparation may require an additional semester of English or more.

INDUSTRIAL ENGINE MECHANICS

(Certificate Program)

(960 contact hours)

Applicants should contact Galveston College counselors for admission.

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 also are 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

NURSE ASSISTANT

(One-Semester Certificate Program)

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

REFRIGERATION MECHANICS

(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

VOCATIONAL NURSING

(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 her 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 her 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.

VN STUDENTS SHOULD CONSULT VN SECTION OF
STUDENT HANDBOOK FOR CURRENT INFORMATION.

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: *180 class hours*

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: *10 class hours*

Standard Red Cross First Aid.

Pharmacology: *40 class hours*

Calculation of drugs, introduction to the basic classification of drugs such as antibiotics, etc.

Nutrition: *20 class hours*

Introduction to basic normal nutrition and nutrients required for maintaining health. Introduction to basic hospital diets.

Body Structure and Function: *70 class hours*

Simple basic anatomy and physiology as a background for nursing skills and other subject matter.

Normal Growth and Development: *10 class hours*

Basic aspects of growth and development from infancy through childhood, adolescence and early adulthood.

Geriatrics: *10 class hours*

Normal physical debilitation due to aging process.

Medical-Surgical Nursing: *100 class hours*

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:

40 class hours

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 CONTINUING EDUCATION PROGRAM

The objective of the program is to make the educational resources of the College available to the general public. Courses are designed to satisfy the needs and desires of citizens of the community. Continuing Education courses do not necessarily follow the traditional college calendar in length and number of class meetings and do not carry college credit.

Galveston College is aware that not everyone is interested in accumulating college credit; therefore, it provides opportunities for students to attend classes to satisfy personal needs and reach personal goals.

TYPICAL COURSES AND PROGRAMS:

- Conversational Spanish
- Conversational French
- English as a Second Language
- Business English and Correspondence
- Effective Business and Public Speaking
- Speed Reading
- Indexing the Mind (Memory Training Seminar)
- Fundamentals of Real Estate (101, 102, 103)
- Income Tax Seminar
- CLU Insurance Parts I through X
- General Insurance Seminars
- Fire and Casualty Insurance
- Patent and Copyright Law
- Law and Banking
- Principles of Bank Operations
- Family Law
- Parliamentary Procedures
- Management Seminars
- Bookkeeping for the Individual or Small Business
- Typewriting
- Shorthand
- Great Decisions Discussion Group
- History of Galveston Island
- Techniques of Individual Instructors
- Child Development
- Ocean Transport Since World War II
- Galveston County Sheriff's Department

Drafting and Blueprint Reading
Offset Printing I and II
Beginning Radio and Television Servicing
Radio and Television Repair I and II
Oil Painting
Home Decorating
Community Choir

REGISTRATION FOR NON-CREDIT CLASSIFICATION

There are two options available to persons whose aspirations are other than the accumulation of college credit. These options are as follows: (1) Enrolling on a non-credit basis in courses that normally carry college credit, and, (2) enrolling in Continuing Education courses.

To enroll under Option 1, persons register during the regular registration period as specified in this catalog and are assessed fees and tuition costs as if registering for credit. The intent of enrolling on a non-credit basis must be stated at the time of registration and becomes final upon the close of registration.

Since Continuing Education courses begin at different times during the semester, there is no specified registration period for persons choosing Option 2. Registration fees for Continuing Education courses are determined by a number of factors; therefore, there is variation among the fees charged for courses offered.

There are no stated requirements to be fulfilled by persons wishing to enroll on a non-credit basis. The application for admission is not required, nor are transcripts, ACT scores, and other related data.

RECOGNITION OF WORK COMPLETED

Persons enrolled on a non-credit basis under Option 1 do not receive grades or transcripts for work completed.

Certificates are awarded to persons satisfactorily fulfilling the requirements of individual Continuing Education courses.

The Continuing Education Division of the College will plan new courses, programs, or seminars with business, industry, and individuals and groups in the community. The College will constantly endeavor to meet educational needs of the community and will develop special programs in response to demands.

All questions concerning Continuing Education programs should be directed to the office of the Director of Continuing Education, Galveston College, 4015 Avenue Q, 763-6551, Ex. 252 or 253.

COURSE DESCRIPTIONS

UNIVERSITY PARALLEL

BIOLOGICAL SCIENCES

(0400)

BIOLOGY

BIOLOGY 031—Introduction to Biological and Physical Sciences
(3-0) Credit: 3.

Prerequisite: None.

A preparatory course for students deficient in high school biology, chemistry and mathematics. Course content includes study techniques and basic principles of biology, chemistry and mathematics. Highly recommended for students planning to take Chemistry 141, Biology 133, or Biology 136. (042001)

BIOLOGY 111—General Biology Laboratory (0-3) Credit: 1.

Prerequisite: Currently enrolled in Biology 131 or consent of instructor.

Lab Fee: \$8.00

Laboratory is correlated with lecture to allow students to observe biological phenomena and to stimulate scientific thought and inquiry. (040101)

BIOLOGY 112—General Biology Laboratory (0-3) Credit: 1.

Prerequisite: Biology 111 and concurrently enrolled in Biology 132, or consent of instructor. Lab Fee: \$8.00

Continuation of Biology 111. (040101)

BIOLOGY 113—Anatomy and Physiology Laboratory
(0-2) Credit: 1.

Prerequisite: Concurrently enrolled in Biology 133 or consent of instructor

Lab Fee: \$8.00

Laboratory adjunct to Biology 133. (041001)

BIOLOGY 114—Anatomy and Physiology Laboratory (0-2) Credit: 1.

Prerequisite: Biology 113 and concurrently enrolled in Biology 134, or consent of instructor. Lab Fee: \$8.00

Laboratory adjunct to Biology 134. (041001)

BIOLOGY 116—Integrated Sciences I Laboratory (0-2) Credit: 1.

Prerequisite: Concurrently enrolled in Biology 136 or consent of instructor. Lab Fee: \$8.00

Laboratory adjunct to Biology 136, with emphasis placed on the observation and recognition of subject discussed in Biology 136. (040102)

BIOLOGY 117—Integrated Sciences II Laboratory (0-2) Credit: 1.

Prerequisite: Concurrently enrolled in Biology 137 or consent of instructor. Lab Fee: \$8.00

Continuation of Biology 116. (040102)

BIOLOGY 118—Integrated Sciences III Laboratory (0-2) Credit: 1.

Prerequisite: Biology 117 and concurrently enrolled in Biology 138, or consent of instructor. Lab Fee: \$8.00

Continuation of Biology 116 and 117. (040102)

BIOLOGY 131—General Biology (3-0) Credit: 3.

Prerequisite: None.

Molecular biology, cellular biology, energy relationships of plants and animals and the anatomy and physiology of Man. (040101)

BIOLOGY 132—General Biology (3-0) Credit: 3.

Prerequisite: Biology 131 or consent of instructor.

Survey of the plant and animal phyla, genetics, evolution and the organism and its environment. (040101)

BIOLOGY 133—Anatomy and Physiology (3-0) Credit: 3.

Prerequisite: Admittance to AHO or ADN programs, 14 ACT Score or consent of instructor.

The study of the structure and function of man with respect to the major body system. Body systems included are skeletal, muscular, circulatory, respiratory, digestive, excretory, and reproductive. (041001)

BIOLOGY 134—Anatomy and Physiology (3-0) Credit: 3.

Prerequisite: Biology 133 or consent of instructor.

Continuation of Biology 133. (041001)

BIOLOGY 136—Integrated Sciences I (3-0) Credit: 3.

Prerequisite: Admittance to ADN program, 14 ACT Score or consent of instructor.

An integrated basic course combining Anatomy and Physiology, Microbiology and Chemistry. The course is organized on a three semester basis and course material includes chemical basis of life, development and structure of cells, basic microbiology, the cellular complexity of man, sensory perception, contractility, growth and energy needs, regulation of internal environment, mechanisms of protection, and continuity of life in man. (040102)

BIOLOGY 137—Integrated Sciences II. (3-0) Credit: 3.

Prerequisite: Biology 136 or consent of instructor.

Continuation of Biology 136. (040102)

BIOLOGY 138—Integrated Sciences III (3-0) Credit: 3.

Prerequisite: Biology 137 or consent of instructor.

Continuation of Biology 136 and 137. (040102)

BIOLOGY 215—Microbiology Laboratory (0-2) Credit: 1.

Prerequisite: Concurrent enrollment in Biology 235. Lab Fee: \$8.00

Laboratory adjunct to Biology 235. (041101)

BIOLOGY 231—Man and His Environment (3-0) Credit: 3.

Prerequisite: None.

A survey of the development of man, his effect on the environment, and problems with ecology. (042001)

BIOLOGY 235—Microbiology (3-0) Credit: 3.

Prerequisite: Biology 131 or 133.

Principles of microbiology; historic concepts; survey of the nature and activities of micro-organisms. (041101)

BUSINESS AND MANAGEMENT

(0500)

ACCOUNTING

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)

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 instructor. Not open to pre-law students.

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 and technical vocabulary and spelling mastery. Practice in oral communication; development of listening, note taking, studying, and remembering skills. (051423)

BUSINESS COMMUNICATIONS 231—Business English (3-0) Credit: 3.

Prerequisite: Business Communications, 131, or permission of instructor.

Fundamentals of grammar, punctuation and sentence structure as related to spoken and written business communications. The communications portion of the Civil Service Examination is introduced. (051423)

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

Prerequisite: English 131, or permission of instructor.

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

COMMUNICATIONS

(0600)

Students who do not have satisfactory ACT scores in Social Science Reading Test (above 8) will be required to take further testing. Students who do not have satisfactory scores in these tests will be required to take Reading Improvement. Students must remain enrolled in Reading Improvement until they have achieved a reading skill of Level V as required by Galveston College. Any exception or exemption from this must be in writing from the appropriate department chairman.

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

Prerequisite: None.

A basic developmental reading program designed to improve reading efficiency with emphasis on reading skills, comprehension, vocabulary, and rate. (069901)

COMMUNICATIONS 033—Reading Improvement
(0-3) Credit: 3.

Prerequisite: Communications 032.

Continuation of Communications 032. (069901)

COMMUNICATIONS 034—Reading Improvement
(0-3) Credit: 3.

Prerequisite: Communications 033.

Continuation of Communications 033. (069901)

COMMUNICATIONS 035—Reading Improvement
(0-3) Credit: 3.

Prerequisite: Communications 034.

Continuation of Communications 034. (069901)

COMPUTER AND INFORMATION SCIENCES

(0700)

**BUSINESS ADMINISTRATION 235—Introduction to Computer
Science** (3-0) Credit: 3.

Prerequisite: Mathematics 141 or Mathematics 145 or consent of instructor.

Basic principles of source data automation, system analysis and digital computation. Study of number systems, algorithms, flow charts, hardware, coding systems, languages, communications, timesharing and applications. (070301)

EDUCATION

(0800)

MUSIC

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, sightreading, eartraining, conducting patterns, instrumental accompaniments, and selection of materials for the teacher in the self-contained classroom. (083201). Formerly Music 132.

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 the junior and standard Red Cross courses in first aid to the injured. Course content will include safety procedures for daily living. Upon successful completion of the course the American National Red Cross First Aid Instructor's Certificate will be issued. (083701)

PHYSICAL EDUCATION 233—Sports Officiating (3-0) Credit: 3.

Prerequisite: None.

Instructions in officiating football, basketball, volleyball, tennis and badminton. (083512)

Activities

Students enrolled in all Bowling and Golf classes must pay their own bowling and green fees.

PHYSICAL EDUCATION 1101—Archery and Badminton I (1-2) Credit: 1.

Prerequisite: None. Lab Fee: \$5.00

This course consists of badminton instruction followed by archery instruction. History, safety rules and game etiquette will be included. Archery instruction will include the stance, the draw, and the release. Badminton instruction will include the serve, clears, drives, smashes, and drops. There will be lecture, demonstration and supervised practice. (083521)

PHYSICAL EDUCATION 1102—Bowling I (1-2) Credit: 1.

Prerequisite: None.

A course 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. (083521)

PHYSICAL EDUCATION 1104—Golf I (1-2) Credit: 1.

Prerequisite: None. Lab Fee: \$5.00

This course is designed to introduce golf to students and will include the history, etiquette, skills, rules, and safety of the game. Demonstrations and participation will include the grip, stance, swing, and use of various clubs. (083521)

PHYSICAL EDUCATION 1105—Golf II (1-2) Credit: 1.

Prerequisite: Physical Education 1104 or approval of department chairman. Lab Fee: \$5.00

This course is a continuation of Physical Education 1104 and will include supervised practice, corrective and suggestive techniques for improvement of the individual student's golf game. (083521)

PHYSICAL EDUCATION 1109—Surfing I (1-2) Credit: 1.

Prerequisite: Must be able to pass a swimming test.

This course is an introduction to surfing which will include surfing terms, selection and care of equipment. Basic techniques of paddling and standing will precede actual surfing. Formerly Surfing 1107. (083521)

PHYSICAL EDUCATION 1110—Swimming I (1-2) Credit: 1.

Prerequisite: None. Lab Fee: \$5.00

This course includes demonstration, lectures and practice in the fundamental techniques of swimming, including breath control, prone float, back float, breast stroke, side stroke and crawls. (083521)

PHYSICAL EDUCATION 1111—Swimming II (1-2) Credit: 1.

*Prerequisite: Physical Education 1110 or approval of department chairman.
Lab Fee: \$5.00*

This course is designed for the advanced swimmer and will include synchronized strokes, racing, games, and diving. (083521)

PHYSICAL EDUCATION 1112—Team Sports I (1-2) Credit: 1.

Prerequisite: None. Lab Fee: \$5.00

Activities taught in this course for men will include touch football, basketball, softball, and soccer. Activities taught in this course for women will include volleyball, softball, soccer, and basketball. (083521)

PHYSICAL EDUCATION 1113—Tennis I (1-2) Credit: 1.

Prerequisite: None. Lab Fee: \$5.00

An orientation course for beginning tennis players. Emphasis will be upon acquisition of basic skills, rules, and playing etiquette. Skills introduced will include the serve, the drive, and the volley. The course will include lectures, demonstrations and supervised practice. (083521)

**PHYSICAL EDUCATION 1115—Tumbling and Trampoline I
(1-2) Credit: 1.**

Prerequisite: None. Lab Fee: \$5.00

This course presents techniques of tumbling and rebounding. Basic skills to be mastered are rolls, somersaults, twists, stunts, springs, and manipulations of the body. (083521)

PHYSICAL EDUCATION 1116—Water Skiing I (1-2) Credit: 1.

Prerequisite: Must be able to pass a swimming test. I.I. Fee: \$20.00

This course introduces the student to water skiing and includes orientations, dry land drills, demonstrations and student participation in gliding over a water surface on one or two skis. (083521)

PHYSICAL EDUCATION 1117—Weight Training I (1-2) Credit: 1.

Prerequisite: None. Lab Fee: \$5.00

A program of exercise with weights to improve physical development and motor skills. The skills will include arm curl, arm press, rowing, squats, sit-ups, and dips. (083521)

PHYSICAL EDUCATION 1118—Weight Training II (1-2) Credit: 1.

Prerequisite: None. Lab Fee: \$5.00

This course is a continuation of Physical Education 1117 with more emphasis placed on body improvement, energy and strength. A specially designed program will be created for the individual student. (083521)

PHYSICAL EDUCATION 2101—Archery and Badminton II (1-2) Credit: 1.

Prerequisite: Physical Education 1101 or approval of department chairman. Lab Fee: \$5.00

A continuation of Physical Education 1101. Emphasis will be upon the refinement of skills, technique, and game strategy. The technique and procedure of tournament play will be included. (083522)

PHYSICAL EDUCATION 2102—Bowling II (1-2) Credit: 1.

Prerequisite: Physical Education 1102 or approval of department chairman.

This course is a continuation of Physical Education 1102 and will include supervised practice and participation in the skills of bowling. (083522)

PHYSICAL EDUCATION 2104—Golf III (1-2) Credit: 1.

Prerequisite: Physical Education 1104 or approval of department chairman. Lab Fee: \$5.00

This course is designed for the advanced golf student who could qualify to compete on the college level in golf tournaments. Emphasis will be placed on the proper use of the irons. (083522)

PHYSICAL EDUCATION 2105—Golf IV (1-2) Credit: 1.

Prerequisite: Physical Education 2104 or approval of department chairman. Lab Fee: \$5.00

This course is a continuation of Physical Education 2104, including supervised practice with emphasis placed on the proper use of the woods. (083522)

PHYSICAL EDUCATION 2107—Sailing I (1-2) Credit: 1.

Prerequisite: Must be able to pass a swimming test. I.I. Fee: \$10.00

This course includes the fundamentals in rigging and securing small craft, introduction to nautical terms, care of equipment, and learning to sail. (083522)

PHYSICAL EDUCATION 2108—Sailing II (1-2) Credit: 1.

Prerequisite: Physical Education 2107 or approval of department chairman. I.I. Fee: \$10.00

This course is a continuation of Physical Education 2107 and will include supervised practice in the handling of a sailboat. Racing competition will also be included. (083522)

PHYSICAL EDUCATION 2109—Surfing II (1-2) Credit: 1.

Prerequisite: Physical Education 1109 or approval of department chairman.

This course is a continuation of Physical Education 1109, designed for the experienced surfer. Supervised practice with emphasis placed on corrective techniques. (083522)

PHYSICAL EDUCATION 2110—Swimming III (1-2) Credit: 1.

Prerequisite: Approval of department chairman. Lab Fee: \$5.00

This is a Standard Red Cross Senior Life Saving course. Upon successful completion of the course, the appropriate Red Cross Life Saving Certificate is issued. (083522)

PHYSICAL EDUCATION 2111—Swimming IV (1-2) Credit: 1.

Prerequisite: Approval of department chairman. Lab Fee: \$5.00

This course is designed for experienced swimmers only and will include distance swimming for strength and endurance. (083522)

PHYSICAL EDUCATION 2112—Team Sports II (1-2) Credit: 1.

Prerequisite: Physical Education 1112. Fee: \$5.00

This course is a continuation of Physical Education 1112. (083522)

PHYSICAL EDUCATION 2113—Tennis II (1-2) Credit: 1.

*Prerequisite: Physical Education 1113 or approval of department chairman.
Fee: \$5.00*

This course is a continuation of Physical Education 1113. It is designed for the students who have mastered the basic skills. Emphasis will be upon the refinement of the skills and techniques, game strategy, and tournament play. (083522)

PHYSICAL EDUCATION 2115—Tumbling and Trampoline II (1-2) Credit: 1.

*Prerequisite: Physical Education 1115 or approval of department chairman.
Lab Fee: \$5.00*

This course is a continuation of Physical Education 1115. Emphasis will be on refinement of skills and techniques. (083522)

PHYSICAL EDUCATION 2116—Water Skiing II (1-2) Credit: 1.

Prerequisite: Physical Education 1115. I.I. Fee: \$20.00

This course is a continuation of Physical Education 1116 and will include supervised practice and participation in the skills of water skiing. (083522)

PHYSICAL EDUCATION 2117—Weight Training III (1-2) Credit: 1.

*Prerequisite: Physical Education 1117 or approval of department chairman.
Fee: \$5.00*

This course is for the student with some experience in weight training and body building exercise. The starting weight will be approximately seventy-five pounds and will progress to heavier weights. (083522)

PHYSICAL EDUCATION 2118—Weight Training IV (1-2) Credit: 1.

*Prerequisite: Physical Education 2117 or approval of department chairman.
Fee: \$5.00*

This course is a continuation of Physical Education 2117, with emphasis placed on a study of muscle structure and corrective exercise. (083522)

PHYSICAL EDUCATION 2120—Skin and Scuba Diving (1-2) **Credit: 1.**

Prerequisite: Pass swimming test or obtain approval of department chairman. Individual Instruction Fee: \$15.00

This 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. (083522)

ENGINEERING

(0900)

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. (8202)

PHYSICS

(0900)

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. (092102)

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. (090901)

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. (090901)

FINE AND APPLIED ARTS

(1000)

A R T

ART 131—Drawing Media I (2-4) **Credit: 3.**

Prerequisite: None. Lab Fee: \$2.00

Drawing of various subject matter in media of charcoal, pencil, crayon, pen, scratch board, and brushwork. (100208) Formerly Fundamentals of Graphic Arts.

ART 132—Drawing Media II (2-4) **Credit: 3.**

Prerequisite: Art 131. Lab Fee: \$2.00

Increasingly advanced techniques and broader concepts in media of Art 131, plus addition of wash and other water media. (100208) Formerly Fundamentals of Painting.

ART 135—Art History and Appreciation I (3-0) **Credit: 3.**

Prerequisite: None.

Chronological study of development of visual art styles from ancient times to seventeenth century. Lectures, slides, films, discussion. (100302)

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

Prerequisite: None.

Chronological study of development of visual arts styles from seventeenth century to present. Lectures, slides, films, discussion. (100302)

ART 231—Creative Design I (2-4) Credit: 3.

Prerequisite: Art 132. Lab Fee: \$2.00

Emphasis upon design; includes the fundamentals of line, shape, space, texture, color, form and arrangement. (100201)

ART 232—Creative Design II (2-4) Credit: 3.

Prerequisite: Art 231. Lab Fee: \$2.00

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

ART 235—Oil Painting I (0-3) Credit: 3.

Prerequisite: Art 132 Lab Fee: \$2.00

Studio techniques of the use of oil colors in painting. (100209)

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

Prerequisite: Art 235 Lab Fee: \$2.00

The use of oil painting in expression, unrestricted as well as subject matter. (100209)

DRAMA

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

Prerequisite: None.

For the student who participates extensively in community 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 131—Basic Theatre (3-0) Credit: 3.

Prerequisite: None.

A course designed to acquaint the student with basic concepts of theatre: stagecraft, stage management, and make-up. Lectures will be conducted at Galveston College facilities, while additional practical experience will be provided at the Performing Arts Enterprises workshop. (100703)

DRAMA 136—Acting I (3-0) 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. (100706)

MUSIC

Academic Courses

MUSIC 131—Music Literature I (3-1) Credit: 3.

Prerequisite: None.

For the Music Major. A chronological study of musical styles from antiquity through Mozart. Listening to recorded examples. Attendance at local concerts required. (100602) Formerly Music 1303.

MUSIC 132—Music Literature II (3-1) Credit: 3.

Prerequisite: Music 131.

A continuation of Music 131. From Mozart to the present. Listening to recorded examples. Attendance at local concerts required. (100602). Formerly Music 1304.

MUSIC 141—Music Theory I (4-1) 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 key-board exercises integrated. (100401). Formerly Music 1401.

MUSIC 142—Music Theory II (4-1) 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 part writing. (100403). Formerly Music 1402.

MUSIC 1301—Music Appreciation (3-0) Credit: 3.

Prerequisite: None.

For the non-music major. Chronological survey of musical highlights from 1450 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, sightreading, eartraining, conducting patterns, instrumental accompaniments, and selection of materials for the teacher in the self-contained classroom. (083201). Formerly Music 132.

Applied Courses

MUSIC 111—Applied Voice (0-1) Credit: 1.

Prerequisite: None. Individual Instruction Fee: \$30.00

Study of vocal technique in private voice lessons. Study of proper breathing, voice production, tone quality, singing of scale and arpeggios. Literature to suit the individual level of the student. Music majors must take an oral jury at the end of the semester on memorization of songs and techniques. May be taken for non-credit upon approval of instructor. (100421). Formerly Music 0143.

MUSIC 112—Applied Voice (0-1) Credit: 1.

Prerequisite: Music 111. Individual Instruction Fee: \$30.00

Same as for Music 111 with the requirement of new literature to be studied and memorized. (100421). Formerly Music 0144.

MUSIC 113—Applied Piano (0-1) Credit: 1.

Prerequisite: None. Individual Instruction Fee: \$30.00

Study in private lessons of beginning piano technique—to include scales and arpeggios. Simple piano numbers to be memorized. Music Majors must play memorized pieces before jury at the end of the semester. May be taken for non-credit upon approval of instructor. (100420). Formerly Music 0141.

MUSIC 114—Applied Piano (0-1) Credit: 1.

Prerequisite: Music 113. Individual Instruction Fee: \$30.00

Same as for Music 113 with the requirement of new literature to be studied and memorized. (100420). Formerly Music 0142.

MUSIC 121—Applied Voice (0-2) Credit: 2.

Prerequisite: None. Individual Instruction Fee: \$60.00

Same as for Music 111 and Music 112 with the additional requirement of literature studied and memorization being greater. (100421). Formerly Music 1243.

MUSIC 122—Applied Voice (0-2) Credit: 2.

Prerequisite: Music 121. Individual Instruction Fee: \$60.00

Same as for Music 111, Music 112 and Music 121 with the additional requirement of literature studied and memorization being greater. (100421). Formerly Music 1244.

MUSIC 123—Applied Piano (0-2) Credit: 2.

Prerequisite: None. Individual Instruction Fee: \$60.00

Same as for Music 113-114 with additional literature to be covered and memorization required greater. (100420). Formerly Music 1241.

MUSIC 124—Applied Piano (0-2) Credit: 2.

Prerequisite: Music 123. Individual Instruction Fee: \$60.00

Same as for Music 113, 114, 123 with additional literature to be covered and memorization required greater. (100420). Formerly Music 1242.

Ensembles

MUSIC 115—Instrumental Ensemble (0-3) Credit: 1.

Prerequisite: None.

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). Formerly Music 1103, 2103—Concert Band; Music 1105, 2105—Stage Band.

MUSIC 116—Instrumental Ensemble (0-3) Credit: 1.

Prerequisite: None.

Same as Music 115. May be taken for non-credit upon approval of instructor. (100423). Formerly Music 1104, 2103—Concert Band; Music 1106, 2106—Stage Band.

MUSIC 1101, 1102, 2101, 2102—Choir (0-5) Credit: 1.

Prerequisite: None. Required of music majors. Others: By audition.

Choral literature of all periods and styles rehearsed and performed in concert. Also performs for various campus and community functions. (100424)

FOREIGN LANGUAGES

(1100)

F R E N C H

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 231—Intermediate French (3-0) Credit: 3.

Prerequisite: French 142.

Review of grammar; emphasis on French literature and composition. (110202)

FRENCH 232—Intermediate French (3-0) **Credit: 3.**

Prerequisite: French 231.

Continued study of French grammar, literature and culture; oral and written composition. (110202)

SPANISH

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 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 231—Intermediate Spanish (3-0) **Credit: 3.**

Prerequisite: Spanish 142 or equivalent.

Intensive review of grammar; reading of short stories and plays in Spanish; composition and oral reports based on a variety of topics. (110502)

SPANISH 232—Intermediate Spanish (3-0) **Credit: 3.**

Prerequisite: Spanish 231 or equivalent.

Continuation of readings in Hispanic culture and civilization; completion of grammar review; composition and conversation. (110502)

LETTERS

(1500)

ENGLISH

Students who do not have satisfactory ACT scores in English (above 15) will be required to take Basic English 131. Students in this category who pass a Galveston College departmental test may enter English 131.

Students transferring less than 6 hours freshman English credit to Galveston College will be required to take the departmental test. Transfer students who show a deficiency in this test will be placed at the appropriate level (Basic English 131 or English 131).

BASIC ENGLISH 131—Sentence Building (3-0) Credit: 3.
(See Note No. 1)

Prerequisite: None.

Basic English grammar, including vocabulary and dictionary studies; basic English sentence structure; basic English syntactical transformations and their usage in sentence-building. (150101)

ENGLISH 131—Basic Composition (1-2) Credit: 3.
(See Note No. 1)

Prerequisite: 16 or above on English ACT or pass departmental test.

Essay-building; writing the impromptu theme; basic organizational patterns; kinds and treatments of writing, with emphasis on description, narration, and exposition. (150102)

Note No. 1: A student who completes the requirements for this course before the end of the semester will have the option of starting the next freshman course in sequence.

A grade of 'IP' will be recorded for any continuing course until the student receives a final grade. A student who begins the next course will be required to register officially for that course at that time.

If the required work to remove the 'IP' is not started during the next full semester, the 'IP' may be changed automatically to a grade of 'F'.

The College reserves the right to suspend the conditions stated above during summer sessions.

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 (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 (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 (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 (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: Biography, Short Story, Short Novel (3-0) Credit: 3.

Prerequisite: English 132 or the equivalent.

A study of biography, the short story, and the short novel as literary forms. Readings, chiefly modern, to develop skills required to read literary materials with most reward. (150301)

ENGLISH 237—Introduction to Literature: Novel, Drama, Poetry (3-0) Credit: 3.

Prerequisite: English 236 or the equivalent.

A study of the novel, drama, and poetry as literary forms. Readings, chiefly modern, to develop skills required to read literary materials with most reward. (150301)

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 principal views, both ancient and modern, are examined as possible solutions. (150901)

PHILOSOPHY 231—Ancient and Medieval Philosophy (3-0) Credit: 3.

Prerequisite: Philosophy 131 or equivalent.

Historical development of western thought during the ancient and medieval periods. (150904)

PHILOSOPHY 232—Modern Philosophy (3-0) Credit: 3.
Prerequisite: Philosophy 131 or equivalent.
Historical development of western thought in the modern world. (150905)

S P E E C H

SPEECH 037—Career Speech (3-0) Credit: 3.
Prerequisite: None.
A study of voice and diction to establish good voice habits with drill work and practice materials selected to suit individual needs. (150602)

SPEECH 111, 112, 211, 212—Forensics (0-3) Credit: 1.
Prerequisite: Approval of Instructor.
Laboratory course for students who participate extensively in forensic activities, including speech tournaments. (150604)

SPEECH 131—Fundamentals of Speech (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—Phonetics (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 and how it is transcribed in terms of speech therapy. (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)

MATHEMATICS

(1700)

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 instructor.

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

MATHEMATICS

MATHEMATICS 011—Basic Mathematics (3-2) Credit: 1.
Daily for 5 weeks.

Prerequisite: None.

Fundamental operations with fractions—decimals, ratio and proportion—conversion of units.

MATHEMATICS 012—Basic Mathematics (3-2) Credit: 1.
Daily for 5 weeks.

Prerequisite: Mathematics 011 or consent of instructor.

Percentage, applications, graphical construction and interpretation, working with formulas.

MATHEMATICS 013—Basic Mathematics (3-2) Credit: 1.
Daily for 5 weeks.

Prerequisite: Mathematics 012 or consent of instructor.

Basic geometry, scientific notation and selected topics from elementary algebra such as inverse square law, solution of simple linear equations and problem solving.

MATHEMATICS 041—Basic Algebra (3-2) Credit: 4.

Prerequisite: None.

A one-semester course covering the topics of high school algebra for the student who needs to review algebra before continuing college level mathematics. Topics are taken from exponents and radicals, factoring, fractions, linear equations, functions and quadratic equations. (170102). Formerly Math 032.

MATHEMATICS 042—Fundamentals of Mathematics (3-2) Credit: 4.

Prerequisite: None.

Designed for students desiring a review of fundamental operations in mathematics but not expecting to take higher mathematics. This course may not be used as a part of the requirements for a major in mathematics. Review of basic arithmetic and selected topics from algebra and trigonometry. (170101)

MATHEMATICS 043—Fundamentals of Mathematics (3-2) Credit: 4.

Prerequisite: Mathematics 042 or consent of instructor.

Continuation of Mathematics 042. (170101)

MATHEMATICS 134—Finite Business Mathematics (3-2) Credit: 3.

Prerequisite: Mathematics 041 or two years high school algebra or consent of instructor.

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 Decisions

(3-0) Credit: 3.

Prerequisite: Mathematics 134 or consent of instructor.

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 142 and 143, or consent of instructor.

Introductory concepts, the straight line, circle, conics, transformation of coordinates, curve sketching, polar coordinates, parametric equations and an introduction to three dimensions. (170109)

MATHEMATICS 139—Calculus I

(3-0) Credit: 3.

Prerequisite: Mathematics 138.

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 141—College Algebra

(3-2) Credit: 4.

Prerequisite: Mathematics 041 or two years high school algebra.

An introduction to the basic concepts of modern algebra. Topics are taken from logic and set theory, the development of the number systems, relations, functions, equations, inequalities, determinants and matrices, probability and mathematical induction. (170108) Formerly Math 131.

MATHEMATICS 142—Advanced College Algebra

(3-2) Credit: 4.

Prerequisite: Mathematics 041 or Mathematics 141 or two years high school algebra.

SUGGESTED FOR SCIENCE, ENGINEERING, MATHEMATICS OR BUSINESS MAJORS.

Topics are taken from logarithms, the binomial theorem, mathematical

induction, progressions, inequalities, systems of equations, determinants, permutations, combinations, probability, complex numbers, theory of equations and partial fractions. (170108) Formerly Math 133.

MATHEMATICS 143—Plane Trigonometry (3-2) Credit: 4.

Prerequisite: Mathematics 032 or two years high school algebra.

The trigonometric functions and their application, equations and identities; solution of the right triangle and oblique triangle; radian measure. (170104) Formerly Math 136.

MATHEMATICS 144—Technical Mathematics I (3-2) Credit: 4.

Prerequisite: None.

SUGGESTED FOR STUDENTS REGISTERED IN TECHNICAL—VOCATIONAL PROGRAMS.

A course in Basic Algebra and the use of slide rule with problems applied to Technology. Topics will be taken from Basic Algebra, linear and quadratic equations, radicals, logarithms and exponentials. Formerly Math 1311.

MATHEMATICS 145—Technical Mathematics II (3-2) Credit: 4.

Prerequisite: Math 144.

SUGGESTED FOR STUDENTS REGISTERED IN TECHNICAL—VOCATIONAL PROGRAMS.

A continuation of the study of algebra, trigonometric functions, graphs of trigonometric functions, solution of triangles, elementary identities as needed in Technical Math III. Formerly Math 1312.

MATHEMATICS 231—Calculus II (3-0) Credit: 3.

Prerequisite: Mathematics 139

Differentiation and integration of transcendental functions, methods of integration for more complex functions, hyperbolic functions, an introduction to vectors and partial differentiation. (170110)

MATHEMATICS 232—Calculus III (3-0) Credit: 3.

Prerequisite: Mathematics 231.

Partial differentiation, line integrals, multiple integrals, infinite series and differential equations. (170110)

**MATHEMATICS 233—Mathematics for Elementary School
Teachers (3-0) Credit: 3.**

Prerequisite: None.

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 (3-0) Credit: 3.**

Prerequisite: Mathematics 233.

A continuation of Math 233 completing the real number system. Deductive and inductive proof. Metric geometry with emphasis on construction. Congruence relations, groups, rings, integral domains and fields. Introduction to function theory. (170117)

**MATHEMATICS 235—Technical Mathematics III
(3-0) Credit: 3.**

Prerequisite: Math 145.

SUGGESTED FOR STUDENTS REGISTERED IN TECHNICAL—VOCATIONAL PROGRAMS.

This course is to include the concepts of Analytical Geometry. Differential and Integral Calculus will be touched on with applications to technology. Formerly Math 1313.

PHYSICAL SCIENCES

(1900)

CHEMISTRY

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

Prerequisite: Two years of high school algebra or concurrent enrollment in Mathematics 041. 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 dispersion; kinetics and equilibria of reactions. (190502)

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

Prerequisite: Chemistry 141. Lab Fee: \$8.00

Application of the principles and methods of inorganic chemistry to the elements and their compounds; hydrogen, oxygen and water; alkali metals, alkaline-earth metals, transition elements, elements of Groups III, IV, V and VI; halogens; introductions to organic chemistry and radioactivity. (190502)

CHEMISTRY 241—Quantitative Analysis (3-5) Credit: 4.

Prerequisite: Chemistry 142. Lab Fee: \$8.00

Theory and practice of analytical chemistry. Theory and problems deal with stoichiometry, equilibrium, oxidation-reduction, potentiometry and electrochemical methods. Laboratory experiments emphasize volumetric and gravimetric techniques. (190901)

CHEMISTRY 243—Organic Chemistry (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 stereochemistry in organic compounds. Introduction to organic reactions. (190701)

CHEMISTRY 244—Organic Chemistry (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)

PHYSICAL SCIENCE

PHYSICAL SCIENCE 031—Science Today (3-0) Credit: 3.

Prerequisite: None.

Designed for non-science majors. Topics are selected from physics, chemistry, geology, astronomy, biology, and meteorology to illustrate the philosophy and methods of science. Principles will be illustrated by events occurring in every day life. (190101)

PHYSICAL SCIENCE 241—Physical Science for Health Occupations (4-0) Credit: 4.

Prerequisite: College Algebra, Grade of B in Basic Algebra, two years of high school algebra or consent of instructor.

Theory of matter, structure of atoms and molecules, valance and binding, oxidation and reduction, nature of acids and bases, heat and the states of matter. The atmosphere, its constituents, the gas laws, diffusion, and laminar and turbulent flow of fluids. (190101)

PHYSICS

PHYSICS 143—Contemporary Physics I (3-3) Credit: 4.

Prerequisite: Mathematics 013 or consent of instructor. Lab Fee: \$8.00

A course designed for liberal arts students. Selected topics in physics include: language of physics, dimensions, forces, momentum, energy, fields, electricity, waves, relativity, quantum theory, atoms and quanta, structure of matter, nuclear physics, astrophysics and cosmology. Laboratory experiments coincide with the physics topics. (190201)

PHYSICS 144—Contemporary Physics II (3-3) Credit: 4.

Prerequisite: Physics 143.

Lab Fee: \$8.00

Continuation of Physics 143. (190201)

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 246—Radiologic Physics

(4-0) Credit: 4.

Prerequisite: Mathematics 013 or consent of instructor.

Fundamental and derived units, force, energy, work, power and structure of matter ionization, magnetism, electrostatics, AC and DC currents—EMF—electric circuits, electric induction, motors, generators, transformers and coils, rectification, X-ray machine design and operation. X-rays and other radiation. (6216)

PSYCHOLOGY

(2000)

PSYCHOLOGY 031—Personal and Social Adjustment

(3-0) Credit: 3.

Prerequisite: None.

A counseling-centered course designed to motivate the student, establish personal identity, and to convey the importance of personal etiquette. Also involves community awareness, responsibility, and involvement through meaningful projects, and various kinds of vocational, technical, and academic training available. (209902)

PSYCHOLOGY 032—Career Planning

(1-5) Credit: 3.

Prerequisite: None.

A pre-employment lecture/laboratory, designed to familiarize compensatory education students with possible employment choices available in the community and to assist them to better understand the knowledge and skills required for entry-level employment in these jobs. Field trips into local business and industry will be conducted on a selective basis to establish points of contact for students. (209903)

PSYCHOLOGY 131—Introduction to Psychology

(3-0) Credit: 3.

Prerequisite: None.

Basic scientific principles of behavior, learning, forgetting, sensation, perception, motivation and emotionality. Human growth and development, hereditary and environmental influences, measurement of individual differences, and theories of personality. (200101)

PSYCHOLOGY 134—Psychology of Adjustment (3-0) Credit:3.

Prerequisite: Psychology 131.

Deals with the problems of adjustment of "normal" people to normal or everyday problems. Application of techniques of decision making and control of anxiety arising from personal and interpersonal conflicts. (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. (200902)

PSYCHOLOGY 233—Psychology of Personality (3-0) Credit: 3.

Prerequisite: Psychology 131.

A study of major factors and conditions related to personality development, including parent-child relations, personality defense mechanisms, methods of personality measurement, and behavioral pathologies and their treatments. (200503)

PSYCHOLOGY 234—Statistical Methods in Psychology (3-0) Credit: 3.

Prerequisite: Psychology 131 or consent of instructor.

Measures of central tendency and variability; statistical inference; correlation and regression. (200701)

SOCIAL SCIENCES

(2200)

ECONOMICS

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

Prerequisite: Sophomore standing or consent of instructor.

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 instructor.

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)

ECONOMICS 233—Introduction to Economics (3-0) Credit: 3.

Prerequisite: None.

Introduction to Economics is designed for students majoring in areas other than economics or business administration. Emphasis is placed on the American free enterprise system and the understanding of national economic policies and their objectives. (220402)

G E O G R A P H Y

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)

G O V E R N M E N T

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 231H—American Government
Honors Course (3-0) Credit: 3.**

Prerequisite: 12 or more semester hours with 3.0 average or consent of instructor.

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 232—State and Local Government
(3-0) Credit: 3.**

Prerequisite: None.

Study of state, county, and municipal governments, with particular emphasis upon the state of Texas. The state constitution, federal-state and interstate relations, political parties, the state legislature, the governor and state administration, finance, activities and services of the state and local governments. (220701)

**GOVERNMENT 232H—State and Local Government
Honors Course (3-0) Credit: 3.**

Prerequisite: Government 231H, 231 with "B", 12 or more hours with GPA of 3.0, or consent of instructor.

Study of state, county, and municipal governments, with particular emphasis upon the state of Texas. The state constitution, federal-state and interstate relations, political parties, the state legislature, the governor and state administration, finance, activities and services of the state and local governments. (220701)

**GOVERNMENT 233—Survey of American and Texas Govern-
ment 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. (Formerly Survey of Government.) (220701)

HISTORY

**AFRO-AMERICAN HISTORY AND CULTURE 131—
Introduction to Afro-American Studies (3-0) Credit: 3.**

Prerequisite: None.

The historical, economic, social and cultural development of Afro-American people with particular emphasis upon their contribution to American society. (221101)

HISTORY 131—United States History to 1865 (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 1865
(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 contributions 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)

SOCI O L O G Y

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 instructor.

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: Psychology 131.

A study of the problems of courtship, mate selection, and marriage adjustments. (220809)

S O C I A L S C I E N C E S

SOCIAL SCIENCE 031—American Heritage: An Introduction to the Social Sciences (3-0) Credit: 3.

Prerequisite: None.

An introductory course for students dealing with the political, social, and cultural history of America. (220101)

OCCUPATIONAL EDUCATION

DISTRIBUTION AND MARKETING OCCUPATIONS

MID-MANAGEMENT (3201)

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. (3201)

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. (3201)

MANAGEMENT 231—Public Relations and Marketing
(3-0) Credit: 3.

Prerequisite: Management 131 and 132

A study of internal and external public relations and their effect 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 image in the market. (3201)

MANAGEMENT 232—Industrial Management (3-0) Credit: 3.

Prerequisite: Management 131 and 132, or consent of instructor.

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. (3201)

MANAGEMENT 233—Retail Management (3-0) Credit: 3.

Prerequisite: Management 131 and 132, or consent of instructor.

A study of supervisory problems in retail marketing, employee-retention, advertising media and market analysis. Extensive use of case studies and role-playing. (3201)

MANAGEMENT 235—Hospitality Management (3-0) Credit: 3.

Prerequisite: Management 131 and 132, or consent of instructor.

Deals with personnel recruitment and turnover, training techniques and morale. Keyed to materials and concepts emphasized by national and state professional organizations, with special emphasis on case studies and role-playing. (3201)

**MANAGEMENT 121, 122, 221, 222—Mid-Management Practicum
(1-20) Credit: 2.**

Prerequisite: Management 131 and 132, or consent of instructor.

A student who plans to earn an Associate in Applied Science in Mid-Management must be employed a minimum of twenty hours per week in an acceptable training situation concurrent with enrollment in Management courses. Coordination with training station is maintained by the instructor to assist students in career goals. Meets one-hour per week on individual basis or in group problem solving seminars. (3201)

BANKING OPTION

**BANKING 111—Planning Management Development
(2-0) Credit: 1.**

Prerequisite: None.

This middle management seminar is designed to assist bank officers who are responsible for the planning, recruiting, and development of bank management personnel. Cases and outside readings are used in this seminar. It can be presented as a brief, intense workshop or as a twelve-session seminar.

BANKING 115—Loss Prevention (1-0) Credit: 1.

Prerequisite: None.

This seminar focuses on check cashing, check swindles, bank holdups, and security procedures.

**BANKING 118—Bank Management by Objectives
(1-0) Credit: 1.**

Prerequisite: None.

This middle management seminar is designed to assist bank officers in learning how to translate bank problems into realistic goals, for the individual and the bank, through the management-by-objectives system. Cases

and outside readings are used in this seminar. It can be presented as a brief, intense workshop or as an eight-session seminar.

BANKING 121—Orientation to Banking (2-0) Credit: 2.

Prerequisite: None.

This course is designed to combine **Selling Bank Services** and **The Starter Series**. Designed for tellers and new-accounts personnel, it is directed toward meeting customer needs in regard to checking accounts, saving services, loans to individuals, safe deposit boxes, and other services. It also includes an orientation of new employees in regard to developing an acceptable personal image and discover their place in Banking.

BANKING 122—Loan and Discount (2-0) Credit: 2.

Prerequisite: None.

This seminar teaches bank employees the essential facts about promissory notes, including calculating interest and discounting commercial paper; guaranties; general collateral agreements; examining and processing documents accompanying notes secured by stocks, bonds, and savings account passbooks, and the concepts of attachment, perfection, priority, default, and foreclosure.

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 advancement.

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 his knowledge to his 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.

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

Prerequisite: None.

This course, directed toward the executive level, concerns itself partly with a statement and a 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.

BANKING 134—Bank Letters and Reports (3-0) Credit: 3.

Prerequisite: None.

This course is designed for those bank officers, supervisors, and employees who dictate or review correspondence. Since bank letters are actually public relations documents, all persons should be familiar not only with the mechanical forms of bank letters but also with the psychological principles that help the letter writer achieve best results. The course review letter forms, emphasizes fundamental principles underlying modern correspondence, and examines different kinds of bank letters.

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 saving 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.

BANKING 211—Conference Planning and Leadership (1-0) Credit: 1.

Prerequisite: None.

This course is centered on a specific phase on the problem of human understanding. It is concerned with an important responsibility of management; to communicate and to coordinate ideas in the most effective way possible. It gives consideration to the dynamics of human interaction in groups convened to solve problems and make decisions. The essentials of parliamentary procedure are also stressed, thus presenting an effective technique for achieving consensus and formalizing and recording the decision-making process.

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.

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.

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.

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.

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.

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.

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 debater 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.

BANKING 238—International Banking (3-0) Credit: 3.

Prerequisite: None.

The second edition of this text is an introduction to a vast field for those working in international departments, as well as for those involved in the domestic activities of their banks. The essential objective of this course is to present the basic framework and fundamentals of international banking, how money is transferred from one country to another, how trade is financed, what the international agencies are and how they supplement the work of commercial banks, and how money is changed from one currency to another.

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 civil 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.

OFFICE OCCUPATIONS

(40)

Stenographic and General Secretarial

(4104)

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

Prerequisite: Business Mathematics 134, and Office Machines 131, or equivalent, or permission of instructor. Formerly SACC 231, formerly SACC 243. 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. (4104)

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

Prerequisite: Accounting 141, or equivalent, or permission of instructor. 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. (4104)

CHARM 231—Charm (3-0) Credit: 3.

Prerequisite: Sophomore standing or permission of Chairman of Department.

A course designed to add balance to the secretarial-clerical curriculum; comprehensive coverage in the personality and grooming fields to help students develop the tasteful appearance, the attractive personality, and the social polish that are as necessary as good office skills for success in today's business world. (4104)

MACHINE TRANSCRIPTION 231—Machine Transcription
(3-0) Credit: 3.

Prerequisite: Typewriting 231, or equivalent, or permission of instructor.
Lab Fee: \$5.00

Production of mailable copy from information recorded on magnetic tapes and belts at the level of skill required for most business offices. Emphasis is placed on material in student's area of specialization. A laboratory-type course. (4104)

OFFICE MACHINES 131—Office Machines I (3-0) Credit: 3.

Prerequisite: Business Mathematics 133, or permission of instructor.
Lab Fee: \$5.00

A working knowledge of the ten-key adding machine, the full-key adding machine, the printing calculator, the rotary calculator, and the electronic calculator. A laboratory-type course. (4104)

OFFICE MACHINES 132—Office Machines II (3-0) Credit: 3.

Prerequisite: Office Machines 131, or permission of instructor.
Lab Fee: \$5.00

Development of speed and accuracy at vocational level on all business machines. Practical application of theory to business problems in student's area of specialization by use of practice sets and projects. A laboratory-type course. (4104)

OFFICE SIMULATION 291—Office Simulation I
(9-11) Credit: 9.

Prerequisite: Sophomore standing or permission of Chairman of Department.
Lab Fee: \$8.00

Practical, realistic application of skills in entry level positions such as typist, file clerk, receptionist, or general office clerk, in a simulated office environment. Emphasis is upon individual initiative, creative thinking, and follow-through by the student. (4104)

OFFICE SIMULATION 292—Office Simulation II
(9-11) Credit: 9.

Prerequisite: Office Simulation 291. Lab Fee: \$8.00

Advanced application of skills in a simulated office environment. Continu-

ed performance in entry level positions, intermediary supervisory positions, and in advanced positions such as clerk-typist or secretary. (4104)

SHORTHAND 141—Beginning Shorthand (3-3) Credit: 4.

Prerequisite: Typewriting 141, or permission of instructor. Formerly STHD 131. Lab Fee: \$5.00

Principles of Gregg Shorthand, Diamond Jubilee Series. Reading, writing, and transcribing shorthand outlines; mechanics of English. (4104)

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 Gregg Shorthand, Diamond Jubilee Series, word-building, phrasing, transcription skill, and sustained writing speed. Emphasis on spelling, punctuation, and grammar. A laboratory-type course. (4104)

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. (4104)

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. (4104)

TYPEWRITING 141—Beginning Typewriting (3-3) Credit: 4.

Prerequisite: None. Formerly TYP 131. Lab Fee: \$5.00

Intensive, comprehensive work in building basic skills for additional courses in advanced vocational typewriting. (4104)

TYPEWRITING 132—Intermediate Typewriting (3-0) Credit: 3.

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. A laboratory-type course. (4104)

TYPEWRITING 231—Advanced Typewriting (3-0) Credit: 3.

Prerequisite: Typewriting 132, or typing skills of at least 45 words per minute. Lab Fee: \$5.00

Typing of statistical reports, legal documents, manuscripts, and other business reports from printed and rough draft copy. A laboratory-type course. (4104)

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. (4104)

INDUSTRIAL EDUCATION

(50)

Offset Printing

(5120)

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. (5120)

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 Varsity, Headliner, and IBM Composer. The student learns to select type, copyfit, justify, proofread, correct copy and to produce camera-ready copy. (5120)

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. (5120)

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. (5120)

PRINTING 135—Offset Press Operation II (1-6) Credit: 3.

Prerequisite: Printing 132, or permission of 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 papers and inks. Multiple color jobs will be produced in this course. (5120)

PRINTING 136—Camera, Stripping and Platemaking II (2-4) Credit: 3.

Prerequisite: Printing 133, or permission of 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. (5120)

PRINTING 137—Copy Preparation II (2-4) Credit : 3.

Prerequisite: Printing 124, or permission of 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. (5120)

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. (5120)

PRINTING 261—Production Projects and Problems (5-25) Credit: 6.

Prerequisites: Printing 141, 132, 133, 124, 118, 135, 136 and 137, or permission of 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 student in determining the areas in which he excels. As a group, the students will participate in a major project. (5120)

PRINTING 262—Management and Supervision, Offset Department (5-25) Credit: 6.

Prerequisite: Printing 261, or permission of 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. (5120)

AUTOMOTIVE

(5203)

**Diesel Mechanics (Industrial Engine Mechanics –
960 Clock Hours) See Page 94**

**Fire Protection
(5401)**

FIRE 131–Fire Administration I (3-0) Credit : 3.

Prerequisite: None.

Administrative functions, fire losses, the cost of fires, analyzing the fire problems, agencies for fire protection, organization for fire protection, personnel management, the fire department and the central personnel agency, recruitment training, discipline, water supply for fire service, types of water systems, pressure-flows, hydrants and their locations, private fire protection and auxiliary water supplies. (5401)

**FIRE 133–Fire Protection Equipment and Alarm Systems
(3-0) Credit: 3.**

Prerequisite: None.

Water supply, fire protection, standards required by the American Insurance Association, fire mains and their size, pumping stations, private fire protection systems, automatic sprinklers, special extinguishing systems and their agencies, municipal fire alarm systems, automatic signaling, watchman service and flammable and combustible gas detecting systems. (5401)

FIRE 132–Fire Administration II (3-0) Credit: 3.

Prerequisite: None.

Fire department buildings, apparatus and other equipment, fire equipment records, fire department budget, distribution of fire companies, manning fire companies, training of personnel, response to alarm, running cards, techniques of fire fighting, handling of fires in hazardous occupancies, large scale operations, ship fires, legal aspects to fire prevention and municipal and state fire prevention agencies. (5401)

FIRE 231—Fundamentals of Fire Protection (3-0) Credit: 3.

Prerequisite: None.

Principles, theory and techniques of fire prevention, organization and functions of inspection work, surveying, mapping procedures, engineering as a solution to fire hazards, fire education, legal aspects of prevention and effectiveness and importance of fire prevention to insurance costs. (5401)

FIRE 134—Supervision and Organization Principles (3-0) Credit: 3.

Prerequisite: None.

Organization, types of organization, methods of organization, organization principles, decision making systems, the social organization, communication, supervision, leadership, the formal organization, informal organization, social aspects, personnel problems, evaluation of employees and employee organizations. (5401)

FIRE 232—Fire Fighting Tactics and Strategy (3-0) Credit: 3.

Prerequisite: None.

Analyzing the nature of fire and methods of control, field projects, including building inspections and size-ups, problems relative to major conflagrations, mutual aid problems, fire extinguishing methods and use of equipment. (5401)

FIRE 233—Techniques of Training (3-0) Credit: 3.

Prerequisite: None.

Techniques used in job instruction training, how people learn, principles of learning, how to teach, lesson planning and practice sessions. (5401)

FIRE 234—Fire Investigation (3-0) Credit: 3.

Prerequisite: None.

Arson problems in general, the cost of incendiary fires, investigation techniques, the law of arson, circumstantial arson cases, coordination with other agencies, arson motives, court procedures, securing of evidence, the fireman's responsibility in the detection of arson, preventing incendiary fires, organization of the arson squad and the fire investigator's report. (5401)

**Law Enforcement
(5501)**

**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. (5501)

**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. (5501)

**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. (5501)

**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. (5501)

**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. (5501)

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 the Texas Code of Criminal Procedure, including laws of arrest, search and seizure, and leading case law on each topic. (5501)

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 analyses 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. (5501)

LAW ENFORCEMENT 233—Penology (3-0) Credit: 3.

Prerequisite: None.

Punishment, treatment and prevention of criminality. Sociological analysis of probation, parole and prison administration. (5501)

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. (5501)

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. (5501)

**Air Conditioning and Heating
(5601)**

**Air Conditioning and Refrigeration (Refrigeration
Mechanics—960 Clock Hours) – See Page 96.**

**HEALTH OCCUPATIONS
(60)**

**VOCATIONAL
(6101)**

Vocational Nursing (1920 Clock Hours) – See Page 97.

**NURSE AIDE
(6102)**

Nurse Assistant (480 Clock Hours) – See Page 95.

**ASSOCIATE DEGREE NURSING
(6201)**

NURSING 161—Introduction to Nursing (4-6) Credit: 6.

Prerequisite: Admission into Associate Degree Nursing Program.

Lab Fee: \$8.00

Definition and responsibilities in Nursing; legal and spiritual aspects; nurses' role in the community; the patient as a person; the patient centered therapeutic environment; nursing care of the newly admitted patient; daily nursing care and support of the patient; basic nursing support for psychological needs; the patient's return to optimum health; the nurse's role in the care of the terminally ill patient; protecting the patient from injury or illness; nursing action in emergencies; pharmacology; nutrition; and mental health concepts. (6201)

NURSING 162—Nursing Care of the Adult I (3-9) Credit: 6.

Lab Fee: \$8.00

Application of scientific principles and practice in planning, effecting, and evaluating the nursing care of adult patients with health problems. Pharmacological, nutritional, and psychological concepts are integrated. (6201)

NURSING 163—Psychiatric Nursing (3-9) Credit: 6.

Lab Fee: \$8.00

Application of scientific principles and practice in planning, effecting, and evaluating the total nursing care of patients who have psychological or mental health problems. Pharmacological and nutritional concepts are integrated. (6201)

NURSING 261—Nursing Care of the Adult II (3-9) Credit: 6.

Lab Fee: \$8.00

Continuation of Nursing 162. (6201)

NURSING 262—Child Health Nursing (3-9) Credit: 6.

Lab Fee: \$8.00

Application of scientific principles and practice in planning, effecting, and evaluating the total nursing care of children from infancy through adolescence. Maintenance of health from infancy through adolescence implications of physical, emotional, and social development. Pharmacological, nutritional and psychological concepts are integrated. (6201)

NURSING 263—Maternal Health Nursing (3-9) Credit: 6.

Lab Fee: \$8.00

Application of scientific principles and practice in planning, effecting, and evaluating the total nursing care of mother and child during pregnancy, labor and delivery and the postpartum period. Maintenance of health during the childbearing years; family planning. Pharmacological, nutritional and psychological concepts are integrated. (6201)

NURSING 254—Special Problems in Nursing (2-9) Credit: 5.

Lab Fee: \$8.00

Application of scientific principles and practice in planning, effecting, and

evaluating the total nursing care of adult patients with complicated medical or surgical problems. (6201)

NURSING 215—Nursing Seminar (1-0) Credit: 1.

Prerequisite: Candidate for Graduation.

History of nursing, trends in nursing, role of the registered technical nurse, opportunities in nursing. (6201)

COOPERATING CLINICAL FACILITIES

St. Mary's Hospital	Galveston, Texas
United States Public Health Service Hospital	Galveston, Texas
The University of Texas Medical Branch Hospitals	Galveston, Texas
Turner Geriatric Center	Galveston, Texas

**Associated Health Occupations
(6216)**

AHO 141—Interdisciplinary Health Concepts (3-3) Credit: 4.

Prerequisite: None. Lab Fee: \$5.00

Introduction to health occupations, professions and allied health disciplines; team concepts and role of the associate technician; orientation to hospitals and community health services; overview of ethical, legal and professional responsibilities; demonstration and observation in selected health settings; related terminology. (Formerly AHO 131) (6216)

AHO 132— Interdisciplinary Health Practices (3-0) Credit: 3.

Prerequisite: None.

Introduction to patient care and therapeutic attitudes in actual clinical setting during an introductory clinical clerkship. Students rotate through selected clinical areas with emphases placed on orientation and introduction to unique theories, concepts, and work sampling in fundamental procedures specific to occupational practice. (6216)

AHO 134—Interdisciplinary Health Practices (3-0) Credit: 3.

Prerequisite: AHO 132-141 and acceptance by Clinical Admissions Committee.

Fundamentals of interpersonal and group relationships in the organization, structure and function of health occupations; clinical medicine; basic psychiatry; related terminology. (6216)

AHO 143—Interdisciplinary Health Concepts (3-3) Credit: 4.

Prerequisite: AHO 132-141. Lab Fee: \$5.00

Introduction to concepts and nursing procedures and techniques as related to Associated Health Occupations; study of medical terminology; the psycho-social aspects of illness; care of the dying patient. (Formerly AHO 133) (6216)

AHO 155—Applied Health Concepts in Practice (2-16) Credit: 5.

Prerequisite: AHO 134-143 and acceptance by Clinical Admissions Committee. Lab Fee: \$8.00

Assignment to the student's area of clinical interest including instruction in specialized concepts and theory, supervised application of procedures and techniques, and individual student development of basic technical skills. (Formerly AHO 135) (6216)

AHO 241—Interdisciplinary Health Concepts (2-8) Credit: 4.

Prerequisite: AHO 155 and acceptance by Clinical Admissions Committee. Lab Fee: \$8.00

A combination of lectures and practicum in the student's chosen area of specialization; instruction in specialized concepts and theory; supervised application of procedures and techniques; individual student development of basic technical skills. (Formerly AHO 221) (6216)

AHO 242—Advanced Application—Health Concepts and Practices (2-8) Credit: 4.

Prerequisite: AHO 155 and acceptance by Clinical Admissions Committee. Lab Fee: \$8.00

Assignment to the student's area of clinical interest for supervised application of techniques and individual student development of intermediate skills. (Formerly AHO 231) (6216)

AHO 243—Advanced Application—Health Concepts and Practices (2-8) Credit: 4.

Prerequisite: AHO 241-242 and acceptance by Clinical Admissions Committee. Lab Fee: \$8.00

Assignment to the student's area of clinical interest including specialized instruction in advanced concepts and theory, independent application of technical skills with professional consultation or supervision, and responsible participation as a member of the health team. (Formerly AHO 223) (6216)

AHO 232—Special Problems and Techniques (3-0) Credit: 3.

Prerequisite: AHO 241-242 and acceptance by Clinical Admissions Committee. Lab Fee: \$8.00

Individual clinical or preceptor assignments for directed experience and/or instruction in specialized procedures unique to selected health occupations. (6216)

AHO 244—Advanced Interdisciplinary Health Concepts (2-8) Credit: 4.

Prerequisite: AHO 241-242 and acceptance by Clinical Admissions Committee. Lab Fee: \$8.00

Assignment to the student's area of interest for advanced instruction in highly unique procedures or techniques essential to meet standards of selected health occupations. (Formerly AHO 234) (6216)

AHO 256—Applied Health Concepts in Practice I (2-16) Credit: 4.

Prerequisite: AHO 243-244 and acceptance by Clinical Admissions Committee. Lab Fee: \$8.00

Assignment to the student's area of clinical interest for additional instruction or supervision in highly unique procedures or techniques essential to meet standards of selected health occupations. (Formerly AHO 236) (6216)

AHO 267—Applied Health Concepts in Practice II (2-16) Credit: 6.

Prerequisite: AHO 256 and acceptance by Clinical Admissions Committee. Lab Fee: \$8.00

Assignment to the student's area of clinical interest for additional instruction or supervision in highly unique procedures or techniques essential to meet standards of selected health occupations. (6216)

AHO 268—Applied Health Concepts in Practice III
(0-35) Credit: 6.

Prerequisite: AHO 267 and acceptance by Clinical Admissions Committee. *Lab Fee:* \$8.00

Continuation of AHO 267. (6216)

TECHNICAL EDUCATION
(80)

Drafting and Design
(8202)

DRAFTING 120—Basic Technical Research (1-2) Credit: 2.

Prerequisite: None. *Lab Fee:* \$2.00

A course designed to acquaint the draftsman, engineer, technician, tradesman, or secretary with available catalogs, books, literature, and research sources. Also, study will include a review of vocabulary used in the engineering and architectural fields. (8202)

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. (8202)

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. (8202)

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. (8202)

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. (8202)

DRAFTING 134—Pipe Drafting (3-3) Credit: 3.

Prerequisite: Engineering 161 Lab Fee: \$2.00

A study of pipe 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. (8202)

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. (8202)

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. (8202)

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. (8202)

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. (8202)

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. (8202)

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. (8202)

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

Prerequisite: Drafting 237, or approval of instructor Lab Fee: \$2.00

A continuation of Drafting 237. (8202)

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

Prerequisite: Approval of instructor 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. (8202)

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) (8202)

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

Prerequisite: Drafting 245 Lab Fee: \$2.00

A continuation of Drafting 245. Study in commercial design. (8202)

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. (8202)

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. (8202)

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

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

Design process, including needs analysis, feasibility, criteria, synthesis, model analysis, economics, graphics, optimization, and communication. (8202)

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. (8202)

**Electronics
(8304)**

ELT 141—D.C. Circuits (3-4) Credit: 4.

Prerequisite: None. Lab Fee: \$5.00

A study of current flow and direct current circuits. The course presents work with magnetic circuits and introduces time varying currents. (8304)

ELT 142—A.C. Circuits (3-4) Credit: 4.

Prerequisite: ELT 141 or concurrent enrollment. Lab Fee: \$5.00

A continuation of Electronics 141 (D.C.), emphasizing A.C. circuit theory and both A.C. and D.C. network theorems. This course provides the background needed to analyze complex networks with both active and passive elements present. (8304)

ELT 143—Electronic Devices (3-4) Credit: 4.

Prerequisite: ELT 142. Lab Fee: \$5.00

A study of electronic devices, their functions, nomenclature and characteristics. Both tube and solid state characteristics are covered. (8304)

ELT 144—Electronic Amplifiers (3-4) Credit: 4.

Prerequisite: ELT 143 or concurrent enrollment. Lab Fee: \$5.00

A continuation of the study of electronic devices, amplifiers; both transistor and tube type are covered, with emphasis on methods of analysis and design. (8304)

ELT 245—Instrument and Measurement (3-0) Credit: 4.

Prerequisite: ELT 144. Lab Fee: \$5.00

A course connected with the accuracy of measurements; how instruments work, proper use of instruments and calibration techniques. (8304)

ELT 246—Communications Circuits (3-4) Credit: 4.

Prerequisite: ELT 245 or concurrent enrollment. Lab Fee: \$5.00

A continuation of the electronic amplifiers covering class C power amplifiers, oscillators, modulation, small signal tuned amplifiers, and detector circuits. The use of transistors and communications circuits and the underlying principles of operation of the various classes of circuits. (8304)

ELT 247—Introduction to Computers (3-4) Credit: 4.

Prerequisite: ELT 245 or ELT 246. Lab Fee: \$5.00

A course that employs principles of almost all previous technical courses as it familiarizes the student with both analog and digital computers. Emphasis is placed on principles of operation and on circuitry used in computers. (8304)

ELT 248—Control Circuits and Systems (3-4) Credit: 4.

Prerequisite: ELT 247 or concurrent enrollment. Lab Fee: \$5.00

An investigation of various control circuits, commonly employed in industry. A variety of methods of systems analysis are used to predict the performance of mock and complete system using various controls. (8304)

ELT 249—Electronic Design and Fabrication (3-4) Credit: 4.

Prerequisite: ELT 248 or concurrent enrollment. Lab Fee: \$8.00

A course directed toward teaching proper chassis layout and equipment arrangement, (packaging), and toward building a function electronic unit of some kind. Modern printed circuit layout and fabrication are covered. (8304)

PHYSICS 141—Applied Physics I (3-3) Credit: 4.

Prerequisite: None. Lab Fee: \$8.00

Basic physics in the units of measurements, principles and application of mechanics, heat, sound, and electricity. (8304)

PHYSICS 142—Applied Physics II (3-3) Credit: 4.

Prerequisite: PHY 141. Lab Fee: \$8.00

A study of wave motion generation transmission and detection of sound, light, illuminations, optics, and electricity. (8304)

RELATED
(90)

Related Instruction
(9101)

MATHEMATICS 144—Technical Mathematics I (3-2) **Credit: 4.**

Prerequisite: None.

A course in Basic Algebra and the use of slide rule with problems applied to Technology. Topics will be taken from Basic Algebra, linear and quadratic equations, radicals, logarithms and exponentials. Formerly Math 1311. (9101)

MATHEMATICS 145—Technical Mathematics II (3-2) **Credit: 4.**

Prerequisite: Mathematics 144.

A continuation of the study of algebra, trigonometric functions, graphs of trigonometric functions, solution of triangles, elementary identities as needed in Technical Math III. Formerly Math 1312. (9101)

MATHEMATICS 235—Technical Mathematics III (3-0) **Credit: 3.**

Prerequisite: Mathematics 145.

This course is to include the concepts of Analytical Geometry, Differential and Integral Calculus will be touched on with applications to technology. Formerly Math 1313. (9101)

GALVESTON COLLEGE
STUDENT FINANCIAL AID INFORMATION

The following Financial Aid Programs are available to full time students attending Galveston College.

1. College Work-Study Program
2. Educational Opportunity Grants Program
3. Law Enforcement Education Program
4. Connally-Carillo Act
5. Texas Opportunity Plan
6. Nursing Student Loan and Scholarship Program
7. Institutional Scholarships
8. Moody Loan Fund
9. National Defense Student Loan Program

If you are interested in making application for any of the above mentioned programs, please complete and return this form to the Office of Student Financial Aid.

NAME _____ SEX _____ AGE _____

ADDRESS _____ MAJOR _____

CITY _____ STATE _____ ZIP CODE _____

Do you live with your parents? _____ Are you self-supporting? _____

Have you taken the ACT test? _____ ACT Scores _____

How many semester hours do you plan to register for? _____

Circle the financial aid program(s) you are interested in and request the last school you attended to send this office an official copy of your transcript.

