

ALVIN COMMUNITY COLLEGE  
CATALOG  
1962-1963

ALVIN JUNIOR  
COLLEGE

BULLETIN OF INFORMATION  
AND  
ANNOUNCEMENT OF COURSES

DAY COLLEGE  
EVENING COLLEGE

SESSION OF 1962-1963  
With Announcements for 1963-1964

No. 10

**ACCREDITED BY**

1. Association of Texas Colleges
2. Southern Association of Colleges and Secondary Schools

**MEMBER OF**

1. American Association of Junior Colleges
2. Southern Association of Junior Colleges
3. Texas Association of Junior Colleges
4. National Committee on Accrediting
5. Texas Association of Colleges

**ALVIN JUNIOR COLLEGE CALENDAR**

1962-63

Testing Program ..... August 22 or 23, 1962  
Hours: 6:30-9:30 P.M. or 9 A.M.

Registration ..... September 4, 5, 6, 7, 10, 1962  
Hours: 9-11 A.M.; 7-8 P.M.

Classes Begin ..... Wednesday, September 12, 1962

Last Date to Register ..... September 24, 1962

Thanksgiving Holidays ..... November 22, 23, 1962  
(Thanksgiving Recess begins at close of evening classes, Wed., 21)

Christmas Holidays ..... December 20 to January 3, 1963  
(Christmas Recess begins at close of evening classes, Thurs., 20)

Mid-Term exams begin ..... January 9, 1963

First Semester ends ..... January 18, 1963

Second Semester begins ..... January 21, 1963

Last Date to Register ..... February 4, 1963

Easter Holidays ..... April 12-15, 1963  
(Easter recess begins at close of evening classes, Thurs., 11th)

Final Exams begin ..... May 15, 1963

Commencement ..... May 24, 1963

Second Semester ends ..... May 24, 1963

Summer Session ..... June 3 to July 12, 1963

Holidays ..... July 4 and 5

Final Exams ..... July 12, 1963

# 1962

JULY		AUGUST		SEPTEMBER																																											
S	M	T	W	T	F	S	M	T	W	T	F	S	M	T	W	T	F																														
1	2	3	4	5	6	7	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

# 1963

JANUARY		FEBRUARY		MARCH																																																		
S	M	T	W	T	F	S	M	T	W	T	F	S	M	T	W	T	F																																					
1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

## SUMMER SCHOOL — 1963

Counseling and Advisement ..... May 31, 1963  
 (9 to 11 A.M. and 7 to 8 P.M.)  
 Registration ..... June 3, 1963  
 (9 to 11 A.M. and 7 to 8 P.M.)  
 Classes begin ..... June 4, 1963  
 Classes meet (one Wednesday only)\* ..... July 3, 1963  
 Holidays ..... July 4, 5, 1963  
 Final Exams begin ..... July 11, 1963  
 Summer Session ends ..... July 12, 1963  
 (\*Classes meet on Mondays-Tuesdays-Thursdays-Fridays each week)

### SUMMER SCHOOL SUBJECTS

- 7:30 to 9:35 (Monday, Tuesday, Thursday, Friday)
- College Algebra (Alg. 113)
  - Government 213 (American National)
  - Typing 153
  - Business Machines 182
  - English 113 (1st freshman course)
  - English 123 (2nd term freshman)
  - U. S. History 193 (U.S. since 1865)
  - Economics 183 (Principles of Economics)
  - English 223 (2nd term Literature)
  - Alg. 113E (Algebra for Engineers)
  - Biology 114 or 124 (meets double period)
  - English 032 (remedial course)
- 10: A. M. to 12:05 (M-F-Th-F)
- English 213 (1st term soph. lit.)
  - History 183 (U.S. to 1865)
  - Government 223 (Texas Govt.)
  - English 113 (1st freshman course)
  - Trigonometry 123
  - Analytics 114 (An. geometry)
  - Spanish 153 or 163 (1st or 2nd course in Spanish)
  - Typing or Bus. machines
  - English 123 (2nd sem. freshman)
  - Acct. 184 or 194 (1st or 2nd accounting course)
  - Alg. 103 (First college course in Algebra)
  - Alg. 032 (Remedial course in Algebra)
  - S. Gem. 193 (Solid Geometry)
- 2 to 4 P.M. Laboratory (M-Th.)
- Biology 114, 124
  - Spanish laboratory
  - Accounting laboratory
- 7 to 9:05 P.M. (M-T-Th-F)
- History 173L (Texas to 1865)
  - English 213 (1st soph lit.)
  - E. 113 (first freshman English course)
  - History 193 (the U. S. since 1865)
  - English 123 (2nd semester freshman)
  - Algebra 113E (college algebra for engineers)
  - Economics 183 or 193
  - Government 213 (Amer. Nat'l govt. and Texas Constitution).

OTHER COURSES ORGANIZED ON DEMAND

## ADMINISTRATION

### BOARD OF TRUSTEES

Mr. Ralph Young, President  
 Dr. John McElveen, Vice President  
 Mr. Riley Godwin, Secretary  
 Mr. A. B. Kennedy, Jr.  
 Miss Verna Browning

### OFFICERS OF ADMINISTRATION

Superintendent  
 Dean  
 Registrar  
 Director of Evening School  
 Supt. Bldgs. & Grounds  
 Director Business & Financial Services

## FACULTY

Dr. A. B. Templeton ..... Superintendent  
 B.S., Sam Houston State Teachers College  
 M.Ed., University of Houston  
 Ed.D., University of Houston

Mr. W. H. Meyers ..... Dean  
 B.S., The Agricultural & Mechanical College of Texas  
 M.S., The Agricultural & Mechanical College of Texas

Mr. Neal M. Nelson ..... Registrar  
 B.A., University of Washington  
 M.A., University of Idaho  
 M.Ed., University of Houston

Mr. M. B. Johnstone ..... Director of Evening School  
 B.S., Stephen F. Austin State College  
 M.Ed., University of Houston  
 M.L., University of Houston

Mrs. Jo Bennett ..... English-Speech  
 B.A., Southwest Texas State Teachers College  
 M.S., Southwest Texas State Teachers College

Miss Charles B. Benson ..... English  
 B.A., University of Colorado  
 M.A., Southwest Texas State Teachers College

Miss Barbara Biggers ..... Physical Education  
 B.S., University of Texas

Dr. E. H. Black ..... Education  
 B.A., University of Oklahoma  
 M.A., Columbia University  
 Ed.D., University of Houston

Mr. Arthur G. Daniel ..... Social Science  
 B.A., University of Texas  
 M.Ed., University of Texas  
 M.A., North Texas State Teachers College

Dr. Dewey D. Davis ..... Science  
 B.S., Pennsylvania State Teachers College  
 M.Ed., University of Texas  
 Ph.D., University of Texas

Mr. W. O. Ferrell ..... Track coach-Physical Education  
 B.S., University of Texas  
 M.Ed., University of Houston

Mr. James Gebert ..... Industrial Arts  
B.S., Southwest Texas State Teachers College  
M.E., University of Houston

Miss Arlyne Haggard ..... Business Education  
B.A., Texas State College for Women  
M.A., Texas State College for Women

Mr. Gordon Hensley ..... Languages  
B.A., Texas Technological College  
M.A., University of Texas

Mrs. Dorothy L. Hitt ..... Business Administration  
B.B.A., Sam Houston State Teachers College  
M.Ed., Sam Houston State Teachers College

Mr. John M. Holst ..... Science  
B.S., Sam Houston State Teachers College  
M.A., Sam Houston State Teachers College

Miss Helen A. Horton ..... Piano, Organ, Harp  
B.M., Northwestern University  
M.M., Northwestern University

Mr. J. W. Humphries ..... Social Science  
B.A., Baylor University  
M.A., Baylor University

Mr. Luke Kennedy ..... Agriculture  
BS., Sam Houston State Teachers College  
M.A., Sam Houston State Teachers College

Mr. James S. Meadows ..... Mathematics  
B.S., East Texas Teachers College  
M.A., East Texas Teachers College

Mrs. Anona Moore ..... Home Economics  
B.S., Sam Houston State Teachers College  
M.S., University of Houston

Mr. C. P. Munz ..... Industrial Arts  
B.S., The Agricultural & Mechanical College of Texas  
M. Ed., University of Houston

Mr. Donald P. Ney ..... Mathematics  
B.S., Rider College of Business Administration  
M.Ed., University of Texas

Mr. L. A. Pillow ..... Science  
B.A., University of Texas  
M.A., University of Texas

Miss Pearl Marie Rinderknecht ..... Business Education  
B.B.A., University of Texas  
M.Ed., University of Houston

Mr. Carl Roesler ..... Industrial Arts  
A.A., Wharton County Junior College  
B.S., Sam Houston State Teachers College  
M.Ed., Sam Houston State Teachers College

Mrs. Cherry Simpson ..... Art  
B.A., North Texas State Teachers College  
M.A., North Texas State Teachers College

Miss Evelyn Strickland ..... Library  
B.A., Texas State College for Women  
B.S. in L.S., Texas State College for Women  
M.A., Texas State College for Women

Miss Mary Wylie ..... English  
B.A., University of Houston  
M.A., Southern Methodist University

# I. GENERAL INFORMATION

## A. HISTORY

The Alvin Junior College was established as a part of the Alvin school system. Classes began on September 12, 1949.

### 1949-50 School Year

Classes were begun with the opening of school on September 12, 1949. Facilities had been provided through careful study and planning by education leaders in the state, the Board of Education, administrative officers, faculty members, and townspeople.

Highlights of the first semester included the opening assembly held on September 12; formation of college clubs during the month of September; the formation of the Advisory Committee for Adult Education and the dinner for that group on September 1, at which time Dr. C. C. Colvert and Dr. J. W. Reynolds of the University of Texas led the discussion period; the first student sponsored assembly on Columbus Day, October 12, by the Pan American Student Forum; the faculty talent assembly on October 4; and the adoption of the Constitution for the Student Body on Tuesday, November 15. Two class plays were presented during the year, giving students training in dramatics. The new college building was dedicated with appropriate ceremonies on May 5, 1950, with the Honorable John Ben Shepherd as the principal speaker. A vocations day program, sponsored by the P. A. S. F., was held on May 11, at which time students heard Dr. D. Bailey Calvin as speaker in assembly and section leaders conducted small group meetings later on in the afternoon in eighteen fields of work, such as law, medicine, bookkeeping, trades, etc. Graduation exercises were held on May 25 at Memorial Stadium for the two graduating groups. A summer school of eight weeks was held.

### 1950-60

The Alvin Schools have continued to grow and with this growth has come the need for added facilities for the junior college. Improvements during the past eight years include building up of the general library, completion of remodeling of the home economics cottage, improvements to the stadium and baseball diamonds, addition of more space for shop training and the building of a new junior college building and a central school cafeteria.

In 1954, Mr. A. B. Templeton of El Campo succeeded Mr. A. G. Welch as Superintendent of Schools. New members of the Board of Education during this period include: Miss Verna Browning (1953), Mr. A. G. Crouch (1954), Mr. N. A. Keithley (1955), Mr. Charles Leisure (1954), Mr. Chester Morgan (1955), Mr. Kermit Dyche (1955), Mr. Guy Myrick (1956), Mr. George Duncan (1957), Dr. John McEiveen (1957), Mr. Larry Holdorf (1958), Mr. Ralph Young (1958), Mr. Riley Godwin (1959), Mr. A. B. Kennedy, Jr. (1960), and Mr. Alton Burgess (1961).

Many plans are being made for the new school year which will make for a more efficient year for students and faculty alike. For the sixth time, entering freshmen will be required to take entrance examinations. These examinations are not designed to keep students out of college, but rather to serve as a means of counseling for the student when he does enroll officially in the college.

## B. OBJECTIVES

### GENERAL

(1) Alvin Junior College was set up to fulfill a definite need in this area of Brazoria County. It is aimed to make this college into an institution which is flexible in its make-up and offerings, yet achieving a standard that is sound for an institution in the United States, serving a part of Texas in a manner which will be a credit to the Texas System of Education.

(2) The Southern Association of Colleges and Secondary Schools states, "... Schools and colleges should be encouraged to be different rather than to be pressed into set moulds to make them all alike." It is the aim of the administrative staff of Alvin Junior College to organize the college in such a way as to serve the largest number of people of this community and surrounding areas.

### SPECIFIC

(1) By action of the Board of Education, Alvin Junior College is an extension of the work of the public schools of this community. As such, it is an integral part of the Alvin Public Schools, furnishing in future months and years two additional years of work.

(2) The college is to provide pre-professional training of a standard level to meet the requirements of the first two years of a regular college course.

(3) The program is to provide training which leads to the completion of two years in terminal curricula, especially in the fields of business education, homemaking, industrial arts, and agriculture.

(4) The college hopes to strengthen the students' grasp of national and world affairs in order that they may be better citizens.

(5) Another aim is to strengthen the students' knowledge of good health practices.

(6) The college is cooperating with the community to provide planning for better recreational facilities and opportunities.

(7) Short courses and special programs for adults are being carried out through a Department of Adult Education.

## C. AFFILIATIONS

On April 5, 1951, Alvin Junior College was voted full membership in the Association of Texas Colleges on recommendation of the Committee on Standards and Classification, Dr. Alfred H. Nolle, Chairman.

This College was visited on April 22-23, 1959, by a special committee of the Southern Association of Colleges and Secondary Schools composed of Dean John A. Hunter (the chairman) of Louisiana State University and President Homer Ellis Finger of Millsaps College. Following this inspection by the committee, Alvin Junior College was voted full membership in the Southern Association of Colleges and Secondary Schools at the Louisville (Kentucky) meeting on December 2, 1959. With this regional recognition and approval, Alvin Junior College transfers may attend schools in all parts of the United States without loss of credit.

## D. REGULATIONS

### 1. ADMISSION

In order that no one will enter Alvin Junior College who cannot profit fully by its program, applicants for admission will be considered individually. In considering the qualifications of the candidate, his ability, interests, and training as well as his total personality will be taken into account. All applications will be reviewed by an admission committee of the college. The selection and placement of students will be based in the main upon the following criteria and upon the conditions indicated:

- (1) High School graduation—a high school graduate who wishes to be admitted must meet the following requirements:
  - a. Apply on the official application form.
  - b. Present a satisfactory transcript of credits.
  - c. Take prescribed tests.
  - d. Appear for personal interview.
  - e. Out of district applicant must have a letter of recommendation from the school from which he graduated.
  - f. All students who are entering Alvin Junior College for the first time must provide the college with a statement from their local physician.

(2) Special approval—an applicant who wishes to be admitted by special approval must meet the following requirements:

- a. Be at least twenty-one years of age or a veteran.
  - b. Apply on the official application form.
  - c. Prove ability by taking prescribed tests.
  - d. Appear for personal interview and comply with special requirements required of each individual applicant.
  - e. Complete these requirements before the opening date of the semester.
  - f. Special Students: Admission to certain terminal courses on a non-credit basis is granted to mature students over twenty-one years of age who give evidence of being able to take the courses desired with profit.
- (3) Admission from other colleges: (All credentials should be sent to the Registrar)
- a. Make application on official application form.
  - b. Present a separate and official transcript from each college attended.
  - c. Appear for personal interview.
  - d. Furnish proof of eligibility for readmission to the college last attended with a statement of honorable dismissal.
  - e. Students who have accumulated more than 66 semester hours will be made eligible for admission to the college only upon recommendation of Admissions Committee.
  - f. Furnish health certificate.

For full admission to the College sixteen units of high school credits are required, eight being prescribed and eight being elective. The prescribed units are as follows:

- a. English—3
- b. From the Mathematics Group in Section A—2
- c. From the Social Science Group in Section B—2
- d. Natural Science—1
- e. Additional from Section A or B, or A and B together—8

#### Section A

English Group		Mathematics Group	
English	3-4	Algebra	1-1½-2
Foreign Language Group		Plane Geometry	1
French	1-2-3	Solid Geometry	½
Spanish	1-2-3	Trigonometry	½
German	2-3	General Mathematics	1
Greek	2-3		
Latin	2-3-4		



## Section B

Natural Science Group	
Biology .....	1
Botany .....	1
Chemistry .....	1
General Science .....	1
Physics .....	1
Physiography .....	½
Zoology .....	1
Social Science Group	
Early European History .....	1
Modern European History ..	1
World History .....	1
American History .....	½-1
Texas History .....	½
Civics .....	½-1
Economics .....	½

All other courses accredited by the Texas Education Agency.

### College of Engineering

The unit requirements for admission to the college of engineering are: English—3 units; Algebra—2 units; Plane Geometry and Trigonometry—2 units; Physics—1 unit; from Section A above—5 units; and additional from Section B—3 units, making a total of at least 16 units.

### Freshman Testing and Counseling

All students entering Alvin Junior College for the first time will take the prescribed testing program unless comparable test scores are presented to college officials.

### Removal of Deficiencies

Alvin Junior College allows a student, admitted conditionally, to remove entrance deficiencies by taking at least **thirty semester hours** of college work (grade average of "C") provided the thirty semester hours include 6 hours each of the following transferable courses: English, Social Science, Mathematics, and Foreign Language.

## 2. ADDING AND DROPPING COURSES

After the first registration for the session, a student may add, drop, or substitute a course **only with the approval of the Registrar**. Adding of courses which result in registration for a total of more than 16 hours per semester must be approved by the **Dean of the College**.

On the recommendation of the instructor concerned, a student may at any time be required by the Registrar to drop a course because of neglect, lack of preparation, poor attitude, etc.

Registration by students on scholastic probation must be approved by the Dean.

## WITHDRAWAL FROM COURSES

1. Students who withdraw before the end of the fourth week of the regular session or the second week of the summer term will receive a grade of "W".
2. Students who withdraw after the fourth week of the regular session or after the second week of the summer session will receive a grade of WP (withdraw passing), if they are passing in the course at the time of withdrawal; they will receive a grade of "WF" if failing at the time of withdrawal.
3. Official drops are handled thru the office of the registrar and students are required to request a formal withdrawal before leaving the college. A student who leaves without officially dropping thru the office will receive a final grade of "F".
4. Students who withdraw after the fourteenth week of the regular session, except for military service or serious illness of the student, will receive a grade of "F" if failing in the course.
5. A student who becomes ill after the fourteenth week of the semester and who cannot finish his work on time may receive a grade of "K" if, in the opinion of the class instructor, he can make up the work later (within the following term).
6. A student who is on probation must secure a special permit to re-register at Alvin Junior College.

### Making up a "K" rating

1. A rating of "K" is given to allow a worthy student to make up some portion of his assignments at a later date.
2. A "K" grade must be made up by the end of the next session or summer term, unless the class instructor files with the office a request for an extension of four weeks.
3. Grade points are not given for "W", "Audit", or "K" grades.

### 3. NUMBER OF HOURS — STUDENT LOAD

A student should register for five college courses, or sixteen class hours per week. Registration should be approved by the Registrar. Under unusual circumstances, a student may register for another subject if his study program is approved by the Dean. A student may register for a part-time load (with the approval of the Dean) if he is employed more than three hours per day.

A semester-hour represents the work accomplished by a class meeting one hour a week for eighteen weeks. A year-hour represents the work of a class meeting one hour a week for thirty-six weeks. Consequently, a class meeting three times a week counts three semester hours, or six-semester hours, according to whether it meets for a semester or a year.

### 4. MINIMUM LOAD

The standard college load is fifteen semester hours of work. Students who take more than 16 hours of work for credit, or those who fall below twelve hours of work, must secure permission from the Dean. Permission to carry a light load is granted only in cases where the student is in ill health, working practically a full shift, or where there is serious illness at home which makes it impossible for that student to take at least twelve hours of work. An over-load is granted only in case of proven scholarship. A poor student may not take courses over and above the normal load.

### 5. ATTENDANCE REQUIREMENTS

Credit and grade in any course are to be determined primarily on the student's mastery of the contents and achievement set for the course as measured by the student's initiative and diligence, preparation of required work, class tests, and final examinations. No "cuis" are allowed. Several absences will tend to lower the grade, and persistent absences will preclude a passing grade. Regular class attendance is expected of all students. In case of an emergency, students are asked to arrange for an absence in advance.

When a student has been absent from a class for one week (without permission from the Dean), he will be sent a notice requesting that he appear at the office to give the reason for the absence on or before the end of the following week. In case the student does not appear to explain his absence, he will be dismissed as of the date the notice was sent out. This rule applies to civilian and veteran students alike.

An absence on the day preceding or following a holiday will count as two absences.

When a student misses an exam he should make a written request to the Dean for a postponed exam. A \$2 fee is charged for each late examination.

### 6. STUDENT RESPONSIBILITY

Alvin Junior College provides fine equipment and facilities with which to work. The Junior College is delighted to grant students as much freedom of action as is compatible with good work. A high sense of personal honor and regard for truth represent the foundation for good conduct. Students who, contrary to established rules, persistently fail to conduct themselves properly will be dropped from the rolls of the institution.

### 7. CONDUCT

As stated before, students will be expected to conduct themselves as ladies and gentlemen while on the campus. Rules and regulations made and posted by the Administration or the Student Council are to be followed by all students. Students will be dropped from the rolls of the college for major offenses. If the offense is minor, the Dean will usually place the student on probation for conduct. Continued poor conduct will be cause to drop the student from the College for a stated period.

Failure of a serious nature in class work or continued failure to attend class will be cause for action by the Dean or Registrar.

### 8. GRADES AND REPORTS

**Grades:** Alvin Junior College rates a student by work done in class, counting three-fourths, and a final examination, counting one-fourth of the final grade. Four letters are used for passing work: A (excellent), B (good), C (fair), and D (low pass). A "K" indicates an incomplete and an "F" is a failure. A grade of D is not recommended for transfer of credit to a senior college.

**Reports:** Periodic reports are made to parents who express a desire for them. Mid-term reports of poor grades and poor attendance are sent to parents of minors. Grade cards are issued each nine weeks' period.

When the work of a student is reported incomplete or when the grade is withheld, a grade of "K" is reported by the Registrar, if the student has been permitted by the Dean to postpone the examination or a part of the class work.

Students are informed that when a grade of "K" is recorded for a nine weeks' mark, it must be made up under the direction of the faculty member during the following nine weeks' period. If it is given for a

semester grade, it must be made up before the end of the next semester. Failure to do so will result in the "K" being changed to an "F" (failure).

Once a passing grade is made in a course by a student, the grade cannot be raised without re-registration and repeating the course work. Absence from a final examination will have the same effect as failure, unless excused by the Dean or Registrar. Permits to take late examinations must be issued by the Dean or Registrar.

## 9. GRADE POINTS

A student will be expected to maintain a 1 grade point average over a period of semesters. In arriving at the average grade point the following chart is used:

A grade of "A" equals 3 grade points per semester hour.

A grade of "B" equals 2 grade points per semester hour.

A grade of "C" equals 1 grade point per semester hour.

No grade points are given for a grade of "D" or "F".

## 10. ORGANIZED ACTIVITIES IN ALVIN JUNIOR COLLEGE

The following clubs operate during the school year at Alvin Junior College: the Press Club, the Pan American Student Forum, Future Teachers of America, Athletic Club, Music Club, Girls Basketball Club, Tennis Club, Homemaking Club, Library Club, Speech Club, Slide Rule Club, the Chess Club, and Phi Theta Kappa.

Meetings are held usually during the activity period. In addition, the Faculty and Student Council sponsor special programs centering around guidance, intramural sports, and assemblies.

The Adult Education Department brings to the College, during the late afternoon and evening hours, many programs of a civic nature.

This program is described more in detail on page 68.

## 11. CLASSIFICATION OF STUDENTS

Full-time students are those who take at least 12 semester hours of college work. Students who take less than 12 semester hours of college work are classified as part-time students.

When a student has earned as many as 24 semester hours he is classified as a sophomore.

## 12. SCHOLASTIC PROBATION

Students who do not meet these scholastic standards are placed on scholastic probation:

- a. Students taking a full load (12 semester hours or more) must pass in at least 9 semester hours.
- b. Students who take a part time load (less than 12 semester hours) must pass at least 2/3 of the hours for which they are registered for any semester.

Students must maintain a 1-point grade average to qualify for graduation from Alvin Junior College.

Scholastic probation brings with it certain responsibilities and opportunities. Students must improve their scholastic average by the end of the next reporting period (the nine weeks of the regular session) to a current 1.0 grade average. Failure to make a 1.0 grade average will mean that the student is automatically dropped from the college for the duration of the semester or term and the succeeding semester or summer term.

## 13. GUIDANCE

The Junior College provides guidance and counseling services for all students. Placement tests are given often during the registration period; and, subsequently, the Counseling Officer gives additional tests. In addition, an over-all personality course called Orientation 101 is given on notice by the Dean through the Department of Education and Psychology. The areas of investigation include health, personal adjustments, college orientation, marriage and family relations, vocational planning, use of the College Library, and how to study.

## 14. STUDENT COUNCIL

Student affairs of Alvin Junior College are managed by a student council made up of representatives of each of the two classes. Additional members, if authorized, are elected on the basis of the size of each class.

1. Powers, duties, and responsibilities given to the Student Council:
  - A. Recreation activities
  - B. School calendar
  - C. Student-administration participation
  - D. Assembly participation
  - E. Revision of the Constitution

- F. School elections
- G. Student-parent participation
- H. Special drives
- I. Interscholastic relationship
- J. Intramural participation

**2. Powers denied the Student Council:**

- A. Academic rules and procedure
  - B. Interscholastic League and band activities
  - C. Dramatics
  - D. Any social activity which is not given for the whole school
- 3. College Colors:** Red and white.

**15. SCHOLARSHIPS**

The Board of Education will award annually a scholarship of \$100.00 (to apply on tuition) to the valedictorian of any high school in this area of Texas. This scholarship will be good for a period of two years.

Other scholarships and awards will be given by civic and service clubs of this area and presented according to succeeding announcements.

**E. NUMBERING OF COURSES**

**THREE DIGITS ARE USED IN NUMBERING COURSES**

- a. The first digit denotes the level of work.
  - 1. Subjects numbered from 001 to 099 are remedial courses, credit for which will not be granted toward graduation.
  - 2. Subjects numbered from 100 to 169 are freshman level; subjects which are numbered 170 to 199 are courses usually given on the sophomore level which may be taken by freshmen, when written permission is granted.
  - 3. Courses numbered in the 200's are of sophomore level.
  - 4. Courses are numbered from 101 thru 109 and 201 to 209 are courses for which terminal credit is intended because of the content of the course or because the course is usually given above the sophomore level in college and transfer credit is not planned. The student who takes work at the junior college level and does not plan to go on to a senior college will find these courses, given in many instances in the adult education program, valuable for personal and specific reasons. These courses count toward an A. A. diploma.
- b. The middle digit indicates the progression in a subject or departmental offering.

c. The third digit denotes the semester hour value of the course. The letter "A" or "B" attached to a course indicates that the course value is one-half (i.e., History 133A carries 1½ hours credit; History 133B carries 1½ hours credit; History 133 carries 3 semester hours of credit). An "R" after the credit value indicates that the course has been repeated and no credit is given in addition to the hours already earned. Other letters, such as J, K, or L, M, or N, O, or S, T, are used to show progression in two courses closely related in content.

**ADVANCED STANDING**

Advanced standing may be secured by three classes of students:

- 1. A student entering from another college must present:
  - a. A letter of honorable dismissal.
  - b. An official transcript of his entire college record, including his admission units. Credits from affiliated colleges will be accepted at full value, provided such credits are recognized in this institution.
- 2. A student from a secondary school who, in addition to satisfying the admission requirements, wishes to obtain, by examination or other means, advanced standing in any department must secure the consent of the head of the department concerned and the approval of the Registrar.
  - 3. By examination.

**HYPHENATED COURSES**

Courses which are hyphenated in the catalogue are considered to be one-year subjects, and credit is not given on transfer to another college until the full year's work is completed. All science courses and a few others are hyphenated, and a student will be expected to complete the full year course. Note that the following courses come under this classification: Physics 184-194, Biology 114-124, and Chemistry 114-124.

## F. TUITION AND FEES

For tuition purposes, the students who enroll in Alvin Junior College will be classified as follows:

1. **In-District**—Students who are residents of the Alvin Independent School District.
2. **Out-Of-District**—Students whose homes are not in the Alvin Independent School District but who are residents of Texas.
3. **Out-Of-State**—Students whose homes are outside the State of Texas.

### Tuition:

#### In-District Student:

Tuition is \$5.00 per semester hour; maximum tuition is \$50.00 for a full load.

#### Out-Of-District Student:

Tuition is \$7.00 per semester hour; maximum tuition is \$60.00 for a full load.

#### Out-Of-State Student:

Tuition is \$17.00 per semester hour; maximum tuition is \$200.00 for a full load.

### Tuition Chart—Per Semester

No. Sem. Hours	In-District	Out-of-District	Out-of-State
3 or less	\$15.00	\$21.00	\$51.00
4	20.00	28.00	68.00
5	25.00	35.00	85.00
6	30.00	42.00	102.00
7	35.00	49.00	119.00
8	40.00	56.00	136.00
9	45.00	60.00	153.00
10	50.00	60.00	170.00
11	50.00	60.00	187.00
12 or over	50.00	60.00	200.00

### Fees

#### Fees per semester (not refundable)

1. Activity fee for 3 or more courses ..... \$6.00
- Activity fee for fewer than three courses ..... 3.00
- Activity fee for summer term ..... none
- Students enrolling for two or fewer courses (during the regular term) may purchase a college year book for an additional payment of \$5.00.

2. **Music fees:** (one semester hour credit - \$10.00 each semester; two semester hours credit - \$15.00 per semester; Four semester hours credit - \$25.00 per semester.)

**Laboratory fees** (chemistry, physics, biology, typing, bus machines, auto mechanics, machine shop, and woodworking) - \$2.00 per course per semester.

**Auditor fee in course (no credit)** is one-half tuition fee for credit course.

### Fee for Late Registration

\$1.00 per day, up to five days, will be charged each student who registers after the regular dates set aside for registration.

### Graduation Fee

Cap and Gown—diploma fee (graduates) \$7.50.

### Fee for Late Examination

A fee of \$2.00 will be charged each student who takes a semester examination after the regular exam periods are over.

### Fee for Transcript

A fee of \$1.00 will be collected at registration time from a student transferring from another college who does not have his transcript of credits on file at Alvin Junior College.

A charge of \$1.00 is charged for each copy of the official Alvin Junior College transcript after the first copy (which is furnished free).

Students in Adult Education classes pay the same tuition as day students for college-credit courses.

Fees and tuition must be paid at time of registration.

### Tuition Refunds

Any student withdrawing officially from school will receive refund of his tuition according to the following scale:

Week	Long Session	Summer Session
First Week	70%	50%
Second Week	50%	None
Third Week	None	None

An immediate refund will not be made; but, upon request, a check covering the refund will be mailed to the address left by the student withdrawing from college.

### Summer Tuition

1. Tuition—\$10.00 per semester hour.
2. Late Registration fee . . . \$3.00.

### Refunds

Refunds for the summer session (tuition only) will not be honored after June 6. Classes are organized and instructors hired on basis of student interest.

## II. REQUIREMENTS FOR GRADUATION

- A. Associate in Arts Diploma. To receive the Associate in Arts Diploma, a student must have completed at least sixty hours of college work of the freshman and sophomore years including:
1. Nine semester hours in English and at least three semester hours in speech or journalism.  
or
  2. Twelve semester hours in English.
  3. Nine hours in social science: (Six hours in American or Texas History and three hours in government).
  4. Complete at least fifteen hours of work of sophomore standing. (Courses: 170's, 180's, 190's, or 200's).
  5. Earn at least twelve semester hours of credit at Alvin Junior College.
  6. A grade-point average of at least 1.0 on all courses taken whether passed or failed. This is the equivalent of a C average on all work taken.
- B. The Junior College Terminal Education Certificate: To receive the certificate, a student must have received the following credit in semester hours:
1. Twelve hours in vocational and/or terminal courses in business education, home economics, woodworking, machine shop, or agriculture, shop, English or languages.
  2. Six hours in social science: (H. 183, H. 193, H.173L, H. 173M).
  3. At least six hours in English.
  4. Sufficient hours to total sixty semester hours.
  5. Study in residence at least two terms or complete at least twelve semester hours at Alvin Junior College.
- C. Required of all Candidates for Graduation: Candidates for the Associate in Arts diploma and the Junior College Terminal Education Certificate must attend the commencement exercises.

### REGISTRATION PROCEDURE

**Note:** The registrar is the administrative officer at the present time who is charged with the responsibilities of supervising: admissions, counseling and advisement of courses of study, and registration for class work at Alvin Junior College. The Registrar also forwards the student's transcript to other colleges or to business firms when work has been completed.

#### Steps to Registration

1. **Application for admission.** A student should secure an official blank and request admission to Alvin Junior College. When this blank has been received, an appointment time will be given the student so that he may have a personal interview with the Dean or Registrar.

2. **Advisement and Counseling.** At a personal conference with the Registrar, the student will work out his exact class schedule for the next school term. When this has been done, he will be issued a PERMIT TO REGISTER by the Dean of the College. This short blank must be filled out and presented at registration desk No. 1 along with an appointment to register notation issued prior to registration dates.
  3. **Registration.** Students who apply for admission and receive advisement and counseling early (at least 5 days before registration dates) will be given an appointment hour to register on the first day of registration. Others will be required to wait until called according to the letter of the alphabet—corresponding to their last names.  
**Early come—early serve!**
- NOTE:** A student who is admitted for the first time must present the following:
- a. **If a college transfer to Alvin Junior College**
    - 1. A transcript from the last school attended.
    - 2. A small billfold size photo.
  - b. **If entering college for the first time**
    - 1. A letter of recommendation from a school official.
    - 2. Transcript from last school attended.
    - 3. A statement from your family physician stating that you are in good health.
    - 4. A small photo of yourself.
- A student who <sup>does</sup> not have these credentials on file will be registered on a temporary basis for a period of 15 days. If at the end of that time, the credentials are not on file, the student must withdraw from the college.

### III. THE LIBRARY

The library has a three-fold purpose: to provide materials needed by students for doing research required in course work, to offer materials for recreational reading and the pursuit of individual interests, and to provide guidance in the understanding and efficient utilization of library materials.

The book collection, carefully selected by the joint efforts of the faculty and the librarian, meets the needs of each department and of Southern Association standards. An adequate selection of current and back issues of periodicals aid in reference and research, as well as an up-to-date vertical file of current materials in many fields. There is a growing collection of film strips, slides, records, and tapes.

### IV. CURRICULAR SUGGESTIONS

#### ART—LEADING TO B. A. DEGREE\*

Freshman		Sophomore	
A. English 113, 123	6 hrs.	A. English 213, 223	6 hrs.
B. History*	6 hrs.	B. Government 213, 223	6 hrs.
C. Art	6 hrs.	C-1. Education, or	
D-1. Mathematics, or		C-2. Mathematics, or	
D-2. Speech 113, 123	6 hrs.	C-3. Music	6 hrs.
E-1. Foreign Language or		D. Art	6 hrs.
E-2. Eco., Geog., or Music	6 hrs.	E. Electives	6 hrs.
F. P. E.	Credit		
G. Orientation 101	1 hr.		

Note: \*History 113-123, 183, 193, 133, 143, 173L, or 173M.

#### BUSINESS ADMINISTRATION—LEADING TO B.B.A. DEGREE

Freshman		Sophomore	
A. English 113, 123	6 hrs.	A. English and/or Speech	6 hrs.
B-1. Mathematics, or		B. Government 213, 223	6 hrs.
B-2. Science	6 or 8 hrs.	C. Machines 182, 192	4 hrs.
C. Economics 183, 193	6 hrs.	D-1. Economics, or	
D-1. History, or		D-2. Geography, or	
D-2. Foreign Language	6 hrs.	D-3. Sociology	6 hrs.
E. Accounting 184, 194	8 hrs.	E. Accounting 283, 293	6 hrs.
		F. Electives	6 hrs.

#### DRAMATICS AND SPEECH—LEADING TO B. A. DEGREE

Freshman		Sophomore	
A. English 113, 123	6 hrs.	A. English 213, 223	6 hrs.
B. Speech 113, 123	6 hrs.	B. Dramatics 183	3 hrs.
C. Mathematics or		C. Government 213, 223	6 hrs.
History	6 hrs.	D. Science** or	
D. Foreign Language	6 hrs.	Math	6 or 8 hrs.
E. Electives	6 hrs.	E. History***	
F. P. E.	Credit	or Economics	6 hrs.
G. Orientation 101	1 hr.	F. Electives — Chemistry, Physics, or Biology.	6 hrs.

Note: \*\*Science — Chemistry, Physics, or Biology.  
 \*\*\*History 113-123, 183, 193, 133, 143, 173L, 173M.

\*Degree Note: Alvin Junior College does not offer a degree; and the expression, "leading to a degree" refers, of course, to further study at a senior college.

**PRE-LAW—LEADING TO L.B. DEGREE**

<b>Freshman</b>	<b>Sophomore</b>
English 113, 123 ..... 6 hrs.	English and/or Speech ..... 6 hrs.
Mathematics, or Science** ..... 6 or 8 hrs.	Government 213,223 ..... 6 hrs.
History** ..... 6 hrs.	C-1. History**, or C-2. Sociology, or C-3. Economics ..... 6 hrs.
Foreign Language, or Economics, or Speech ..... 6 hrs.	D-1. Foreign Language, or D-2. Geography ..... 6 hrs.
Electives ..... 6 hrs.	E. Electives ..... 6 hrs.
Orientation 101 ..... 1 hr.	P. E. .... Credit
P. E. .... Credit	

Note: \*Science-Biology, Chemistry, or Physics. \*\*History 113-123, 183, 193, 173L or 173M.

**EDUCATION—LEADING TO B. ED. DEGREE**

<b>Freshman</b>	<b>Sophomore</b>
English 113, 123 ..... 6 hrs.	English 213,223 ..... 6 hrs.
Science*, or Mathematics, or History, or Art 113 ..... 6 to 9 hrs.	Government 213,223 ..... 6 hrs.
Speech ..... 3 hrs.	Education ..... 3 hrs.
Education ..... 3 hrs.	History** ..... 6 hrs.
P. E. .... Credit	Electives ..... 9 hrs.
Orientation 101 ..... 1 hr.	Geography 183 ..... 3 hrs.
Electives ..... 6 to 9 hrs.	

Note: \*Science-Biology, Chemistry, or Physics.

**INDUSTRIAL ARTS—LEADING TO B. S. DEGREE**

<b>Freshman</b>	<b>Sophomore</b>
English 113, 123 ..... 6 hrs.	English 213,223 ..... 6 hrs.
Mathematics ..... 6 hrs.	Government 213 ..... 3 hrs.
Science*, or History ..... 6 hrs.	Science* ..... 6 or 8 hrs.
Ag. 113,123, or Shop Course ..... 6 hrs.	Shop ..... 6 hrs.
Electives ..... 6 hrs.	E. Electives ..... 9 hrs.
Orientation 101 ..... 1 hr.	Note: *Science-Biology, Chemistry, or Physics.

**HOME ECONOMICS—LEADING TO B. S. DEGREE**

<b>Freshman</b>	<b>Sophomore</b>
English 113, 123 ..... 6 hrs.	English 213,223 ..... 6 hrs.
Chemistry, or Biology ..... 8 hrs.	Government 213,223 ..... 6 hrs.
Mathematics, or Foreign Language ..... 6 hrs.	History 183, 193, 133, 143, 173L, 173M or C-2. Economics ..... 6 hrs.
Art, or Education ..... 6 hrs.	D. Electives ..... 6 hrs.
H. Ec. .... 6 hrs.	H. Ec. .... 6 hrs.
P. E. .... Credit	
Orientation 101 ..... 1 hr.	

**PRE-ENGINEERING—LEADING TO A. B. S. DEGREE**

Suggested studies summer after graduation from high school: take 2 subjects—(Summer school)—Alg. 113E (Algebra for Engineers) and Trig. 123.

<b>Freshman Semester</b>	<b>Freshman Year</b>	<b>Second Semester</b>
A. Chemistry 114 ..... 4 hrs.	A. Chemistry 124 ..... 4 hrs.	A. Chemistry 124 ..... 4 hrs.
B. Analytics 114 ..... 4 hrs.	B. English 123 ..... 3 hrs.	B. English 123 ..... 3 hrs.
C. English 113 ..... 3 hrs.	C. Calculus 213 ..... 3 hrs.	C. Calculus 213 ..... 3 hrs.
D. E. D. 121 ..... 1 hr.	D. Physics 184L ..... 4 hrs.	D. Physics 184L ..... 4 hrs.
E. L. G. 183A ..... 1½ hrs.	E. D. G. 183B ..... 1½ hrs.	E. D. G. 183B ..... 1½ hrs.
F. History 183** ..... 3 hrs.	F. P. E. 141 ..... Cr.	F. P. E. 141 ..... Cr.
G. O. 101 (Orientation) ..... Cr.	Note: Student may wish to take H. 183 during summer following his Fr. year.	
H. P. E. 131 (Men) ..... Cr.		

<b>First Semester</b>	<b>Sophomore Year</b>	<b>Second Semester</b>
A. English 213 ..... 3 hrs.	A. English 193 ..... 3 hrs.	A. English 193 ..... 3 hrs.
B. Physics 214 ..... 4 hrs.	B. (Prof. Writing) ..... 3 hrs.	B. (Prof. Writing) ..... 3 hrs.
C. Calculus 223 ..... 3 hrs.	C. Phy. 224 ..... 4 hrs.	C. Phy. 224 ..... 4 hrs.
D. Govt. 213 ..... 3 hrs.	C. Cal. 233 (Cal. Applications) ..... 3 hrs.	C. Cal. 233 (Cal. Applications) ..... 3 hrs.
E-1. History 193 or Elective ..... 3 hrs.	D-1. Govt. 223, or D-2. Electives ..... 6 hrs.	D-1. Govt. 223, or D-2. Electives ..... 6 hrs.
F. P. E. .... Cr.	E. E. P. 111 ..... 1 hr.	E. E. P. 111 ..... 1 hr.

**PRE-MEDICAL—LEADING TO M. D. DEGREE**

<b>Freshman</b>	<b>Sophomore</b>
A. English 113, 123 ..... 6 hrs.	A. English 213, 223 ..... 6 hrs.
B. Biology 114, 124 ..... 8 hrs.	B. Government 213, 223 ..... 3 hrs.
C. Mathematics or History ..... 6 hrs.	C. Science ..... 6 or 8 hrs.
D. Foreign Language ..... 6 hrs.	D-1. Speech 113, or D-2. History 183, 193 ..... 6 hrs.
E. Chemistry ..... 8 hrs.	E. D-2. History 183, 193 ..... 6 hrs.
F. P. E. .... Credit	F. Chemistry 284,294 ..... 8 hrs.
G. Orientation 101 ..... 1 hr.	

**MUSIC—LEADING TO BACHELOR OF MUSIC DEGREE**

<b>Freshman</b>	<b>Sophomore</b>
A. English 113, 123 ..... 6 hrs.	A. English 213, 223* ..... 6 hrs.
B. Mathematics ..... 6 hrs.	B. Government 213, 223** ..... 6 hrs.
C. History** ..... 6 hrs.	C. Music ..... 6 hrs.
D-1. Science**, or D-2. Education 113, 123 ..... 6 or 8 hrs.	D. Electives ..... 12 hrs.
E. Music 114-124 ..... 8 hrs.	Note: *Journalism may be substituted for English 223. **Three hours of Government are required for A. A. diploma.
F. P. E. .... Credit	
G. Orientation 101 ..... 1 hr.	

Note: \*History 113-123, History 183, 193, or 133, 143, H. 173L, H. 173 M. \*\*Science-Biology, Chemistry or Physics.



**PRE-PHARMACY—LEADING TO PHARMACY DEGREE**

<b>Freshman</b>		<b>Sophomore</b>	
A. Chemistry 114,124	8 hrs.	A. English 213, 193	6 hrs.
B. English 113,123	6 hrs.	B. Govt. 213,223	6 hrs.
C. Biology 114,124	8 hrs.	C. Chemistry 284,294	8 hrs.
D. Mathematics	6 hrs.	D-1. Physics 184L or 214 or	
E. History	6 hrs.	D-2. Economics, or	
F. O. 101	1 hr.	D-3. Speech 113 (total) 6 or 8 hrs.	
G. P. E.	Cr.	E. Electives	3 hrs.

**BUSINESS EDUCATION—LEADING TO B. S. DEGREE**

<b>Freshman</b>		<b>Sophomore</b>	
A. English 113	3 hrs.	A. Business Courses	15 hrs.
B. Bus. English 173	3 hrs.	B. Economics 133,193	6 hrs.
C. Typing	3 or 6 hrs	C-1. Bus. Law 153, 163 or	
D. Shorthand	9 hrs.	C-2. Business 203K	6 hrs.
E. Math. 103M, or		D-1. Science, or	
F. Business 113	3 hrs.	D-2. Foreign Language, or	
G-1. Machines, 182, 192	4 hrs.	D-3. Accounting 184-194	4-6 hrs.
H. Electives	5-7 hrs.		
I. O. 101	1 hr.		
J. P. E.	Cr.		

**GENERAL LIBERAL ARTS—LEADING TO B. A. DEGREE**

<b>Freshman</b>		<b>Sophomore</b>	
A. English 113,123	6 hrs.	A. English 213,223	6 hrs.
B. Foreign Language	6 hrs.	B. History	6 hrs.
C. Mathematics	6 hrs.	F. Foreign Language	6 hrs.
D. Economics 183	3 hrs.	G. Speech-Govt.	6 hrs.
E-1. Music (3), or		H. Electives	6 hrs.
E-2. Art (3), or			
E-3. Geography	3 hrs.		
F. Science	6-8 hrs.		
G. Orientation 101	1 hr.		
H. P. E.	Cr.		

**GENERAL LIBERAL ARTS LEADING TO B. A. DEGREE**

<b>Freshman</b>		<b>Sophomore</b>	
A. Speech	6 hrs.	A. Dramatics	3 hrs.
B. History	6 hrs.	B. Music, or	
C. English 113, 123	6 hrs.	C. Art, or	
D. Electives	12 hrs.	D. Economics	6 hrs.
E. O. 101	1 hr.	E. Govt. 213,223	6 hrs.
F. P. E.	Cr.	F-1. Foreign Language, or	
		F-2. Sociology, or	
		F-3. Science	6-8 hrs.
		G-1. Accounting, or	
		G-2. Approved elective	6-8 hrs.
		H-1. Mathematics, or	
		H-2. History	3 hrs.

**V. COURSES OFFERED**

Note: The numbers which appear in parenthesis indicate the following:  
 (1) The number in parenthesis after the course number is the original number the course was given in the first catalogue.  
 (2) The numbers at the end of the line, in each case, indicate the lecture dash laboratory or practice hours.

1. AGRICULTURE
  - Ag. 113, General Animal Husbandry. (3-2)
  - Ag. 123, Fundamentals of Crop Production. (3-2)
  - Ag. 133, Farm Shop. (3-2)
  - Ag. 143, Dairying. (3-2)
2. BUSINESS ADMINISTRATION AND BUSINESS EDUCATION
  - T. 153, (113) Beginning Typing. (3-2)
  - T. 102, Intermediate Typing for Adult Students. (2-0)
  - T. 163, (123), Intermediate Typing (3-0)
  - T. 203, (213), Advanced Typing. (3-0)
  - Shd. 153, 163, Beginning and Intermediate Shorthand. (2-2)
  - Shd. 203, Advanced Shorthand. (3-0)
  - Mach. 182, 192, Business Machines. (2-0)
  - S. Pr. 193, Secretarial Practice. (2-2)
  - Bus. 113, Introduction to Business. (3-0)
  - Math. 103M, (153), General Business Mathematics. (3-0)
  - B. Eng. 173, Business English. (3-0)
  - Law 153, 163, Business Law (3-0)
  - Acc. 153, Elementary Accounting. (2-2)
  - Acc. 163, Elementary Accounting. (2-2)
  - Acc. 203, Tax and Payroll Accounting. (3-0)
  - Math. 193, Mathematics of Finance. (3-0)
  - Acc. 184,194, Introductory College Accounting. (2-4)
  - Acc. 203L, Cost Accounting. (3-0)
  - Acc. 203M, Cost Accounting. (3-0)
  - Bus. 203K, Business Finance. (3-0)
  - Acc. 283, (I) Intermediate Accounting. (3-0)
  - Acc. 293, Intermediate Accounting: II. (3-0)
  - Math. 203, Electronic Digital Computing. (3-0)
3. DEPARTMENT OF EDUCATION AND PSYCHOLOGY
  - Ed. 113, Introduction to Education. (3-0)
  - Ed. 123, Educational Psychology. (3-0)

Ed. 133, Methods in Elementary School Subjects. (3-0)

Ed. 213, Child Psychology. (3-0)

Ed. 223, Secondary Education. (3-0)

Psy. 213, General Psychology. (3-0)

O. 101, College Orientation. (1-0)

Ed. 183, (233), Health Education. (3-0)

Ed. 193, The Elementary School Child. (3-0)

#### 4. DEPARTMENT OF ENGLISH

E. 032, Fundamentals of Writing. (2-0)

E. 113, Composition and Rhetoric. (3-0)

E. 123, Composition and Rhetoric. (3-0)

E. 193, Writing for Professional People. (3-0)

E. 213, Survey of Literature, Part I. (3-0)

E. 223, Survey of Literature, Part II. (3-0)

E. 183, Composition: Expository Writing. (3-0)

S. 113, 128, Fundamentals of Speech. (3-0)

S. 173, Oral Interpretation. (3-0)

S. 181, Theatre Activities. (1-2)

S. 191, Forensic Activities. (1-2)

J. 181-191, Journalism Activities. (1-1)

J. 113, Introduction to Journalism. (2-2)

J. 123, Writing and Reporting. (1-5)

J. 153, News Reporting. (2-2)

Dr. 183, Dramatic Arts. (3-1)

#### 5. DEPARTMENT OF FINE ARTS

Art 103, Watercolors. (3-3)

Art 113-123, Design. (3-3)

C. A. 103H, Commercial Art. (2-4)

Art 163, Interior Design. (2-4)

Art 183, 193, Art for Elementary Majors (2-4)

D. P. 213, 223, Drawing and Painting (3-3)

D. P. 213A, Drawing and Painting. (1½-1½)

Art 233, 243, Pictorial Composition (2-4)

F.P. 133A-133B, Freehand Perspective (1-2)

A.P. 253, 263, Advanced Painting. (3-3)

H.A. 133-143, History of Art (3-0)

Mu. 114-124, Harmony and Ear Training (5-0)

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Mu. 112S, Study of Strings (1-2)

Mu. 112B, Study of Percussions (1-2)

Mu. 112RD-182RD, Study of Reeds (1-2)

Mu. 182BR, Study of Brasses (1-2)

Piano 114,124, Study for Piano Majors (2-15)

Piano 214, 224, Study for Piano Majors (2-15)

Organ 114, 124, Study for Organ Majors (2-15)

Organ 214, 224, Study for Organ Majors (2-15)

Harp 114, 124, Study for Harp Majors (2-15)

Harp 214, 224, Study for Harp Majors (2-15)

Choir 112, 122, 212, 222, A Cappella Choir (3-2)

Choir 111, 121, 211, 221, A Cappella Choir (2-2)

A. M. 111 or 121, 211, 221, Applied Music (1-5)

A. M. 112, 122, 212, 222, Applied Music (2-10)

Mu. 113, 123, Music Appreciation (2-2)

Mu. 112, 122, Dance Band (1-2)

#### 6. DEPARTMENT OF FOREIGN LANGUAGE

Span. 031, Introductory Drills in Spanish. (2-0)

Span. 101, Conversation and Reading. (1-1)

Span. 153, 163, Elementary College Spanish. (3-0)

Span. 114, 124, Beginners' Spanish (4-0)

Span. 173G, 173H, Advanced Conversation and Composition. (2-2)

Span. 183-193, Intermediate College Spanish. (3-0)

Span. 233, Readings in Spanish-American Lit. Before 1890. (3-0)

Span. 243, Readings in Spanish-American Lit. After 1890. (3-0)

Fr. 153-163, Elementary French. (3-0)

Fr. 183-193, French Composition and Grammar. (3-0)

#### 7. DEPARTMENT OF HOME ECONOMICS

Cl. 113, Textiles and Clothing. (1-4)

Cl. 123, Textiles and Clothing. (1-4)

Foods 183, 193, Food and Nutrition. (1-4)

F.L. 133, Family Living. (3-0)

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8. DEPARTMENT OF INDUSTRIAL ARTS

- W.W. 153, General Woodworking, (1-4)
- W.W. 163, Cabinet Making, (1-4)
- W.W. 183, 193, Advanced Cabinet Making, (1-4)
- G.M. 153, 163, General Metal Work, (1-4)
- M.S. 183, Machine Shop, (1-4)
- M.S. 193, Advanced Machine Shop, (1-4)
- E.D. 113, Engineering Drawing, (3-6)
- E.D. 112, 121, Engineering Drawing, (4-2) (2-1)
- A.D. 132, 141, Architectural Drawing, (3-6)
- D.G. 183, Descriptive Geometry, (2-7)
- G.A.M. 183, General Automotive Mechanics, (2-2)

9. DEPARTMENT OF MATHEMATICS

- Alg. 032, Introductory Algebra, (2-0)
- Alg. 103, (133), Introduction to College Algebra, (3-0)
- Alg. 113E, College Algebra for Engineers, (3-0)
- Alg. 113L, Algebra for Business Majors, (3-0)
- Alg. 113, College Algebra, (3-0)
- Math. 103M, Gen. Business Math, (3-0)
- Math. 193, Mathematics of Finance, (3-0)
- Math. 203, Electronic Digital Computing, (3-0)
- Geom. 103M, Introductory Geometry (3-0)
- S. Geom, 103, Solid Geometry (3-0)
- Trig. 123, Plane Trigonometry (3-0)
- E. P. 111, Engineering Problems (1-1)
- An. 114, Analytic Geometry (4-0)
- Cal. 215, Differential Calculus (5-0)
- Cal. 213, 223, 233, Calculus (3-0 each)
- Cal. 225, Integral Calculus (5-0)
- T. E. 213, Theory of Equations (3-0)
- D. E. 213, Differential Equations (3-0)

0. DEPARTMENT OF PHYSICAL EDUCATION

- P.E. 111, 121, Physical Education for Women, (1-1)
- Ed. 183, Health Education (see Dept. of Education), (3-0)
- P.E. 131, 141, Physical Education for Men, (1-1)
- P.E. 211, 221, Advanced Physical Education for Women, (1-1)
- P.E. 231, 241, Advanced Physical Education for Men, (1-1)

1. DEPARTMENT OF SCIENCE

- B. 104, Survey of Biology (3-4)
- B. 114, Elementary Zoology (3-3)
- B. 124, Elementary Botany (3-3)
- Zoo. 133, Invertebrate Zoology (3-3)

Zoo. 143, Vertebrate Zoology, (3-3)

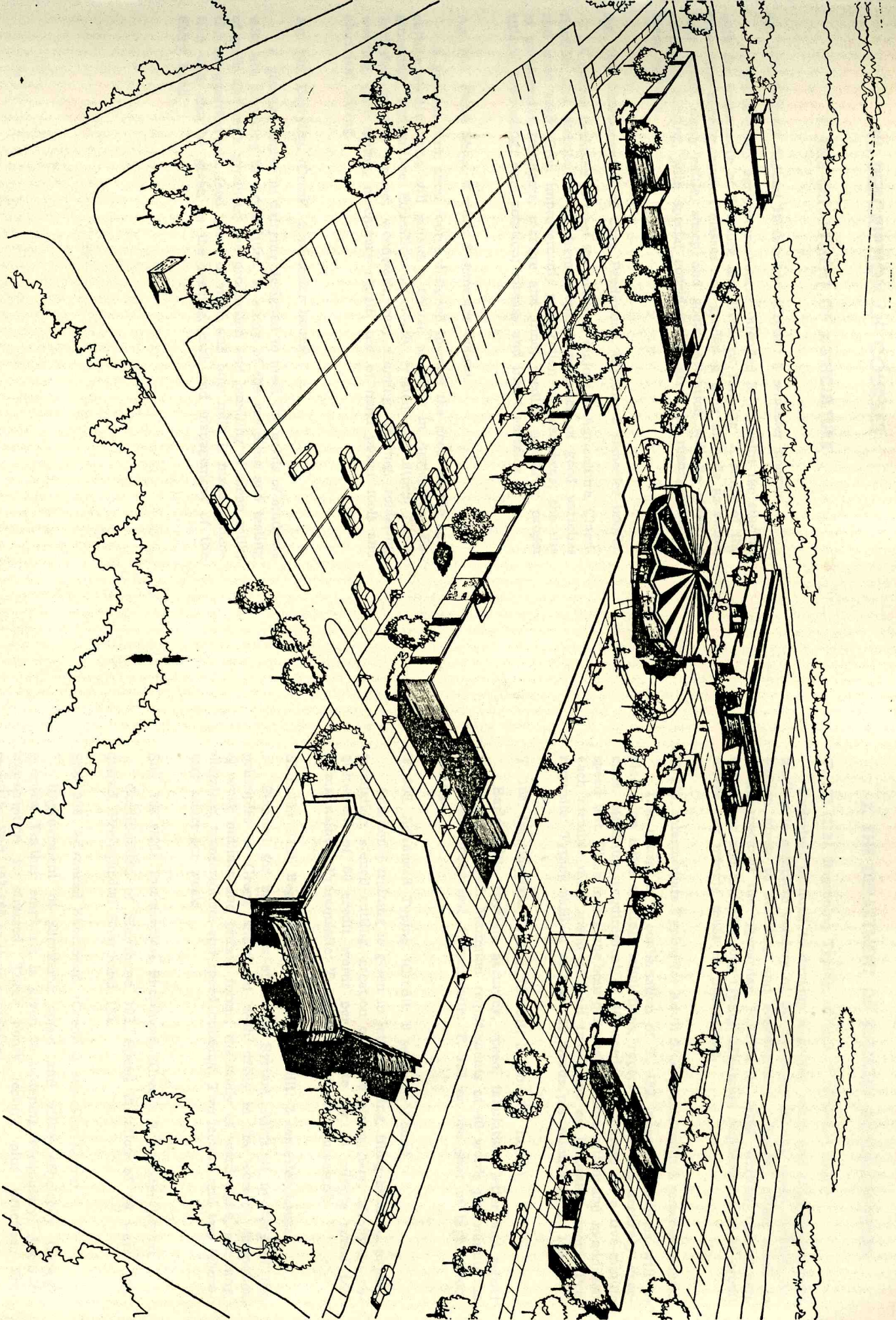
- Bio. 213, Human Anatomy, (3-3)
- Bio. 223, Physiology, (3-3)
- Chem, 114-124, General Inorganic Chemistry and Qualitative Analysis (3-4)
- Chem. 113-123, General Chemistry (3-2)
- Phy. 114-124, Physics, (3-2)
- Phy. 184L, Mechanics and Heat, (3-4)
- Phy. 214, Electricity and Magnetism, (3-4)
- Phy. 224, Wave-Motion, Sound, Light, (3-4)
- Chem. 284-294, Organic Chemistry, (3-4)

12. DEPARTMENT OF SOCIAL SCIENCE

- H. 113, 123, History of Western Civilization, (3-0)
- H. 183, (213), The United States to 1865, (3-0)
- H. 133, 143, History of the Americas, (3-0)
- H. 122, 132, 142, History of the Americas, (2-0)
- H. 193, The United States Since 1865, (3-0)
- H. 173L, History of Texas to 1865, (3-0)
- H. 173M, History of Texas from 1865, (3-0)
- H. 183L, Basic Books in U. S. History to 1865, (3-0)
- H. 101N, 101S, Introduction to International Activities, (1-1)
- Govt. 213, American National and State Government, (3-0)
- Govt. 223, American State Government, (3-0)
- Govt. 233, Constitutions, (3-0)
- Eco. 183, Principles of Economics, (3-0)
- Eco. 193, Economic Problems, (3-0)
- Eco. 153, Consumer Economics, (3-0)
- Soc. 153, Contemporary Social Problems, (3-0)
- Soc. 213, Principles of Sociology (3-0)
- Soc. 223, Social Problems, (3-0)
- Geog. 183, Principles of Geography, (3-0)

ALVIN JUNIOR COLLEGE

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Alvin, Texas

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## VI. DESCRIPTION OF COURSES

### 1. THE DEPARTMENT OF AGRICULTURE

Ag. 113. **General Animal Husbandry.** (Credit: 3 semester hours).

An introductory agriculture course intended to acquaint the student with the importance of livestock and livestock farming. A study of the types and breeds; market classes and grades of such animals as swine, beef cattle, dairy cattle, sheep and goats. Attention will be given to care and judging, with special consideration given to management of these animals.

Ag. 123. **Fundamentals of Crop Production.** (Credit: 3 semester hours).

A course designed to meet the needs of majors in Agriculture. Classification and distribution of farm crops; importance of good varieties and good seed. Crop improvement; preparation of seed beds; the use of commercial fertilizers, manure and lime; seeding practices; proper tillage; harvesting; crop rotation; disease and insect enemies.

Ag. 133. **Farm Shop.** (Credit: 3 semester hours).

A general farm shop course designed to meet the needs of the agriculture student who will pursue a course of study in Agriculture Engineering, Agriculture Education or closely related agricultural fields. Included in this course: woodwork, roof framing, forging, soldering, welding, pipe fitting, machinery repair, use of hand power tools and electrical wiring.

Ag. 143. **Dairying.** (Credit: 3 semester hours).

A general course in dairying designed to meet the needs of students who are majoring in Agriculture. A study of the sampling and testing of milk and milk products; the production and handling of clean milk; the composition and food value of milk and how milk is made. Attention will also be given to the feeding, care and management of the dairy herd.

### 2. THE DEPARTMENT OF BUSINESS ADMINISTRATION

T. 153 (113). **Beginning Typing.** (Credit: 3 semester hours).

Exercises planned to develop a proper wrist and finger movement leading to complete mastery of the keyboard by the touch method. Attention given to accuracy and concentration. Special effort made to attain speed at the typewriter. Practice in letter writing, use of carbon paper and miscellaneous typing. Minimum requirement of 30 credit words per minute must be maintained.

T. 102. **Intermediate Typing for Adult Students.** (Credit: 2 semester hours).

This course is a continuation of T. 153. Special emphasis will be placed on letter writing, tabulations, report forms, and accuracy exercises. Minimum requirement of 40 words per minute on a five-minute speed test. Class meets one hour per week for instruction; and in addition, each member must spend at least two hours on laboratory work. Prerequisite: Typing skill of at least 20 words per minute or T. 153.

T. 163. **Intermediate Typing.** (Credit: 3 semester hours).

Basic skills, rhythm, accuracy, speed, tabulation, letter and report forms are stressed. Minimum requirements of 40 words per minute on 10 minute speed test. Prerequisite: T. 153 or one year of high school typing.

T. 203. **Advanced Typing.** (Credit: 3 semester hours).

Additional training is given in letter writing, filing business papers, tabulation, stencil cutting, creation of office atmosphere. Minimum requirement of 60 credit words per minute for 15 minute speed test is maintained. Prerequisite: T. 153-163 or their equivalent.

Shd. 153 (113). **Beginning Shorthand.** (Credit: 3 semester hours).

Planned for beginners of Gregg System. Aims at mastery of the principles of Gregg shorthand with drills in the correct formation of work outlines and phrase forms; the study of word signs, phrasing, dictation, transcription, and speed building. Two lecture and two laboratory hours per week.

Shd. 163 (123). **Intermediate Shorthand.** (Credit: 3 semester hours).

Continuation of Shorthand 153. Speed dictation of 80 words required. Prerequisite: Shorthand 153.

Shd. 203. **Advanced Shorthand.** (Credit 3 semester hours).

Improvement of shorthand speed and office efficiency through practice. Further emphasis is given to widening vocabulary. Accurate transcription is stressed. Three hours lecture plus practice. Prerequisite: Shd. 153-163 or their equivalent.

Mach. 182 (212), 192. **Business Machines.** (Credit: 4 semester hours).

Course designed to familiarize students with the various machines in the business office: calculator, adding machine, comptometer, bank posting, mimeograph, and dictaphone. Prerequisite: Six hours of credit in business administration or business education courses. Open to freshmen with consent of the instructor.

S. Pr. 193. **Secretarial Practice.** (Credit: 3 semester hours).

Shorthand review and high-speed dictation; personality in the office; office practice and routine; store and office visitations; filing. A study will be made of secretarial occupations, and handling of mail, general office duties and secretarial personality. Dictation increased to 95-120 words per minute. Two lecture-laboratory and two practice hours per week for 1 semester. Prerequisite: Shd. 153-163 or their equivalent.

Bus. 113. **Introduction to Business.** (Credit: 3 semester hours).

A survey of modern business organization, principles, procedures, and practices with emphasis on opportunities in the business field in Texas and the Southwest. This course is recommended for all majors in business administration. Three lecture hours per week.

Math. 193. **Mathematics of Finance.** (Credit: 3 semester hours.)

See Department of Mathematics

B. Eng. 173. **Business English.** (Credit: 3 semester hours).

This course gives practice in the use of correct and forceful English in writing business letters and reports. It is preferable to take this course after taking English 113.

Math. 103M. **General Business Mathematics.** (Credit: 3 semester hours).

This course includes a review of business arithmetic, arithmetic short-cuts, simple and compound interest, discounts, payrolls, sinking funds, stocks, bonds, brokerage, property taxes and an introduction to algebra that is applicable to commercial problems.

Acc. 203. **Tax and Payroll Accounting.** (Credit: 3 semester hours).

This course includes the principles of Federal Income Tax procedure, social security taxes, unemployment taxes, and sales taxes. The course includes the preparation of returns for individuals, partnerships, and corporations. Prerequisite: Accounting 194 or consent of the department.

Acc. 203L. **Cost Accounting.** (Credit: 3 semester hours).

This course includes accounting for materials, labor, manufacturing, expenses, inventory control, payrolls, job order cost systems, and introduction to process costs. Prerequisite: Accounting 194 or consent of the department.

Acc. 203M. **Cost Accounting.** (Credit: 3 semester hours).

This course includes a study of process costs, joint costs, by-product costs, estimated costs, standard costs, distribution costs, cost accounting reports, analysis of cost data, budgetary control, and cost accounting systems. Prerequisite: Accounting 203L.

Bus. 203K. **Business Finance.** (Credit: 3 semester hours).

This course includes a study of the problems of business finance which are important to small business organizations. It also includes a study of promotion, organization, financing, credit policy, expansion, financial difficulties and services provided by financial institutions. Prerequisite: Math. 103M or consent of department.

Law 153, 163. **Business Law.** (Credit: 6 semester hours).

Principles of law, of contracts applicable to bailments, innkeepers, carriers, sales, partnerships, corporation, property, deeds, bankruptcy, mortgages, landlord and tenant, torts and business crimes. Three hours of lecture per week. Prerequisite: Six hours of credit in business administration or business education or the consent of instructor.

Acc. 153. **Elementary Accounting.** (Credit: 3 semester hours).

This course is open to Freshmen students. Fundamentals of accounting theory and practice in relation to single proprietorships. Application of principles by problems and practice set. Sophomore students desiring to transfer college credit should register for Acc. 184. Four lecture-laboratory hours per week.

Acc. 163. **Elementary Accounting.** (Credit: 3 semester hours).

Continuation of Accounting 153. Fundamentals of accounting theory and practice in relation to partnerships and corporations. Prerequisite: Accounting 153 or its equivalent.

Acc. 184-194. **Introductory College Accounting.** (Credit: 8 semester hours).

The first course in college accounting, designed to meet the needs of the major in accounting or in other phases of business administration. Freshmen students must secure the approval of the class instructor or

the head of the department. Two lecture, four laboratory-practice hours per week for thirty-six weeks.

**Math. 203. Electronic Digital Computing.** (Credit: 3 semester hours).

This course includes a study of number systems, discussion of various digital computers, data processing, and basic programming for digital computers. Prerequisite: Algebra 113 or consent of the department.

**Acc. 283. Intermediate Accounting: I.** (Cr: 3 semester hours).

This course is designed for the student who has studied accounting principles and has some proficiency in this field. The course is designed to develop a better and a more comprehensive knowledge of accounting working papers and financial statements; income concepts; corrections of prior year's earnings; corporation accounting procedures (including capital stock, surplus, divided transactions and miscellaneous topics); generally accepted accounting principles; cash, receivable; and investments in stock, bonds and subsidiaries. Prerequisite: Accounting 194 or 153-163.

**Acc. 293. Intermediate Accounting: II.** (Cr: 3 semester hours).

This work includes a comprehensive examination of accounting for tangible fixed assets, including acquisition, use, retirement, depreciation, depletion, and revaluations; intangible fixed assets; liabilities and reserves, interpretation of financial statements, analysis of working capital; analysis of operations; statement of application of funds; cash-flow statement; quasi-reorganizations, business combinations, and divisive reorganizations; price-level impact on financial statement. Prerequisite: Accounting 194 or 153-163.

### 3. THE DEPARTMENT OF EDUCATION AND PSYCHOLOGY

**Ed. 113. An Introduction to Education.** (Credit: 3 semester hours.)

This course is designed to give the college student a comprehensive, unified grasp of the educational system as it exists in the United States today. The extent, organization, administration, supervision, and support of the educational system is covered. It is not designed as an indoctrination for teacher candidates but as a cultural background course.

Normally, this is the first course in education which an Alvin Junior College student would take. It was offered for the first time in 1957-58.

**Ed. 123. Educational Psychology.** (Credit: 3 semester hours).

A course dealing with the application of the principles of psychology to the training of children. A background to all other courses in education. Important aspects are mental and physical growth of children, pupil interest, social development, individual differences, abnormal behavior, learning, measurements of units, capacities, and achievement.

This course was formerly listed as Ed. 113.

**Ed. 133. Introduction to Elementary Education.** (Credit: 3 semester hours.)

This is a study of the theory and practice in the elementary school. This first course in elementary education is to orient the prospective elementary teacher with the issues, ideas, and concepts of the education of children at the elementary level. Some observing is done in the public schools.

**Ed. 213. Child Psychology.** (Credit: 3 semester hours).

A study of the child, his nature, and his needs as a basis for understanding the child and for methods of training him; special emphasis upon the study of adolescence. Prerequisite: sophomore standing.

**Ed. 223. Introduction to Secondary Education.** (Credit: 3 semester hours).

Survey of the history and development, organization, and administration of the modern secondary school. Prerequisite: Education 113 and sophomore standing.

**Psy. 213. General Psychology.** (Credit: 3 semester hours).

A first course in general psychology. It is designed to give the student a broad view of the field and to acquaint him with the fundamental laws of behavior that have to do with daily conduct in various life situations. Topics include: motivation, learning, thinking, and life adjustments. Prerequisite: sophomore standing.

101. **College Orientation.** (Credit: 1 semester hour).

The first four weeks are devoted to general orientation to the college, library usage, preparing term papers, course selection, etc. During the last 14 weeks the topics are Vocational Planning, Personal and Social adjustment; and Marriage and Family living will be taken up. Specialists in each field will have charge of the class. Required of all full time freshmen students.

Ed. 183 (233). **Health Education.** (Credit: 3 semester hours).

This course is designed primarily for prospective school teachers. A brief period is devoted to health and hygiene, with a careful study of anatomy and personal hygiene. The major part of the course deals with methods and materials in health education. The following units are worked in the library and in the classroom: Care of the body, health examination, records, clothing, care of building and equipment, sanitation, buildings, equipment, curriculum, programs, control of communicable diseases, teaching methods and correlation, first aid, safety, and health materials to be used in each grade. Prerequisite: sophomore standing or Education 113.

Ed. 193. **The Elementary School Child.** (Credit: 3 semester hours).

Principles underlying the development of the elementary school child. This course will emphasize the physiological and sociological growth of the child and the meeting of the problems incident upon that growth. Prerequisite: 3 hours of education. Three hours per week for 18 weeks.

#### 4. THE DEPARTMENT OF ENGLISH

##### ENGLISH

E. 032. **Fundamentals of Writing.** (Credit: 0 semester hours).

This course will be required, after 1958, of all entering freshmen students who receive a low score on the entrance examination in English. Emphasis will be placed on these studies: spelling, punctuation, remedial reading, and paragraph writing.

E. 115. **Composition and Rhetoric.** (Credit: 5 semester hours).

This five-hour English course is offered to those students who need to be more thorough in technical grammar. It includes the material usually covered in English 032 and English 113. Students will be qualified to take the second course in English Composition and Rhetoric, E. 123, when they have completed E. 115.

E. 113. **Composition and Rhetoric.** (Credit: 3 semester hours).

This course aims to promote clearness and correctness of expression through practice in writing. It includes a review of the fundamentals of the technique of all prose writing. Standard freshman course.

E. 123. **Composition and Rhetoric.** (Credit: 3 semester hours).

Continuation of English 113. This course consists of the study of exposition, description, and narration as forms of prose composition and practice in writing each. Outside reading from standard authors supplements the theme work. English 113 and 123 are required for an Associate In Arts Diploma. Prerequisite: English 113.

E. 213. **Survey of Literature.** (Credit: 3 semester hours).

This course is a study of masterpieces of literature of the classical, romantic, and realistic styles. An effort will be made to share through literature some of the ideas which have shaped our cultural heritage and to show how these ideas in literature are related to those expressed in other arts. Collateral reading, oral reports, and themes will be required. Individual conferences will be held. Prerequisite: English 113 and 123 and sophomore standing.

E. 223. **Survey of Literature.** (Credit: 3 semester hours).

This course is a continuation of English 213. The study includes symbolic, realistic, naturalistic, impressionistic and expressionistic styles of literature. Collateral reading, oral reports, and themes will be required. Individual conferences will be held. Prerequisite: English 213.

E. 183. **Composition: Expository Writing.** (Credit: 3 semester hours).

This course is designed to offer further training and practice in composition to students with a special interest in writing and also to students who feel they need further help in the correction of individual weaknesses in grammar and mechanics. Emphasis is upon expository writing, vocabulary building, and improvement in both mechanics and style.

E. 193. **Writing for Professional People.** (Cr: 3 semester hours).

Exposition adapted to the needs of professional people, particularly those presently training for engineering, science, medicine, and other technical fields. Prerequisite: English 113 and 123. Three lecture periods per week.



## SPEECH

Sp. 113, 123. **Fundamentals of Speech.** (Credit: 6 semester hours).

These courses may be taken separately. Speech 113 is a prerequisite for Speech 123. The first semester consists of the study of vocal mechanism and the techniques of voice control; the improvement of articulation and pronunciation; the importance of speech as an aid in social adjustment; the study of the use of bodily action and its importance in relation to speech; vocabulary development; and a brief study of common speech defects and their correction. The second semester is devoted to the study of the techniques of public speaking and the types and organization of public speeches. It is recommended that students have credit for high school Speech before entering this college course.

S. 173. **Oral Interpretation.** (Credit: 3 semester hours).

Platform interpretation of literature. Emphasis will be placed upon improvement in voice, pronunciation, and enunciation for interpreting lyrical poetry, narrative poetry, monologue, and dramatic scenes. Prerequisite: Speech 113.

## DRAMATICS AND JOURNALISM

Dr. 183. **Dramatic Arts.** (Credit: 3 semester hours).

Fundamentals of the art of drama; a study of dialogue, interpretation, and characterization; a study of the fundamentals of make-up and costuming; technical elements of production; history of the development of the drama; significance and aspects of present-day theatre.

S. 181. **Theatre Activities.** (Credit: 1 semester hour).

Students are given the opportunity to participate in an extensive manner in theatre activities. Student must complete activities in at least two of these areas: make-up, costuming, acting in a play, student direction, and stage settings.

S. 191. **Forensic Activities.** (Credit: 1 semester hour).

Students at Alvin Junior College who wish to do so may enroll for forensic activities and secure credit, provided that the student has applied himself extensively in one or more of these areas: speaking in public, radio work, and debate.

J. 181-191. **Journalism Activities.** (Credit: 1 semester hour each).

This course is designed to give the basic training to journalism students who wish to work on the yearbook and on the student newspaper. For the terminal student, this course may serve as the introductory course in journalism. Prerequisite: A "C" grade in English and the consent of the class instructor. One lecture and one practice-lab, hour per week for thirty-six weeks.

J. 113. **Introduction to Journalism.** (Credit: 3 semester hours).

This course is designed to serve as an introduction to the general field of journalism. Course material includes principles of communication, organization and history of various journalistic media, explanation of news, analysis of reader interests, and introduction to reporting and writing.

J. 123. **Writing and Reporting.** (Credit: 3 semester hours).

This is a second course in journalism, continuing the study begun in J. 113. Students will cover this material in the course: professional obligations of the newspaper to the community, the fundamentals of news writing and news gathering, the newspaper lead, with practice in writing and rewriting leads, types of news stories, with practice in writing the obituary, accident or fire stories, speech stories, and the interview. Student must work at least 6 hours per week on material for this course.

J. 153. **News Reporting.** (Credit: 3 semester hours).

This course is designed to aid adults who may have responsibilities as club reporters, employees of business houses which use publicity, or owners of a business. Course meets for two lecture and two laboratory-practice hours per week per semester.

## 5. THE DEPARTMENT OF FINE ARTS

### ART

Art. 103. **Watercolors.** (Credit: 3 semester hours.)

This is a special art course intended for both the general student and the prospective major. Subject matter unrestricted; individual and group criticisms. Prerequisites: Art 113 or the approval of the instructor.

Art. 113,123. **Design.** (Credit: 3 semester hours each).

A two semester course giving laboratory practice as an introductory contact with the nature and practice of art together with basic knowledge and skills in design, color, and drawing.

Topics: Problems in design; lettering; color; drawing and painting; pencil, pen and ink, colored chalk, pastel, watercolor, tempera; textiles; linoleum blockprinting; wood and plaster carving; metal modeling; leather tooling. Required course for art majors. Elective course for non-art majors and needs no prerequisite. Three lectures and three laboratory periods per week.

C. A. 103 H. **Commercial Art.** (Credit: 3 semester hours.)

A practical course designed to refine lettering skills and to develop the special skills and techniques involved in commercial poster layouts. No prerequisite required. Two one-hour lecture periods and four one-hour laboratory periods per week.

Art 163. **Interior Design.** (Credit: 3 semester hours.)

An introductory course in home decoration with emphasis on good taste in the use of color, design, furniture, and accessories. Two one-hour lectures and four laboratory periods per week for 18 weeks. No prerequisite.

Art. 183, 193. **Art for Elementary Majors.** (Credit: 3 semester hours each.)

A two semester course in techniques of teaching art in the elementary grades.

Topics: Problems involving art lesson plans for teaching in the elementary grades. No prerequisite. Two hours lecture and four hours laboratory per week for thirty-six weeks.

D. P. 213, 223. **Drawing and Painting.** (Credit: 3 semester hours each.)

A laboratory course in oil painting. Class will meet for six lecture-laboratory hours per week. Course runs for the full 36 weeks. Prerequisite: D. P. 213 is a prerequisite to D. P. 223, and consent of instructor is needed.

Art 233, 243. **Pictorial Composition.** (Credit: 3 semester hours each).

A two semester course giving laboratory practice in the application of the principles of design to two-dimensional expression.

Topics: Problems in developing sketches into pictorial compositions and in acquiring the many techniques involved in use of a variety of mediums. Prerequisite: Design 113-123 or equivalent. Two hours lecture and four hours laboratory per week for 36 weeks.

F.P. 133A-133B. **Freehand Perspective.** (Credit: 3 semester hours).

Elementary problems involving the principles of linear perspective; the achievement of the illusion of volume and space through tone and color. One hour lecture and two hours laboratory per week for 36 weeks.

A.P. 253, 263. **Advanced Painting.** (Credit: 3 semester hours each).

This course follows **Drawing and Painting 213, 223** with specialization in the study of different forms of organization of the picture surface in order to express various types of visual experience. Three lecture and three laboratory hours per week.

H.A. 133-143. **History of Art.** (Credit: 6 semester hours).

A two semester course which includes a study of the art of Europe from prehistoric times, art of the ancient Mediterranean cultures, and art since the fifteenth century in Europe and in America. Prerequisite: None.

### MUSIC

Mu. 114-124. **Harmony and Ear Training.** (Credit: 8 semester hours).

A study of the principal and subordinate chords and their inversions in both major and minor modes. Training in sight singing and in hearing and playing chords.

Five hours per week. Two hours per week in harmony, two hours per week in sight singing and ear training, and one hour per week in keyboard harmony. Recommended especially for music majors.

Mu. 112S. **Study of Strings.** (Credit: 2 semester hours).

Attainment of fundamental playing on each of the following: violin, viola, cello, and bass; study of methods and materials for teaching these instruments. One hour lecture, two hours laboratory, per week.

Mu. 122B. **Study of Percussion.** (Credit: 2 semester hours).

Attainment of rudimentary playing on each of the following: snare and bass drums, tympani, cymbals, bells, and traps; study of methods and materials for teaching these instruments; one hour lecture, two hours laboratory per week.

Mu. 112RD-182RD. Study of Reeds. (1-2)

Attainment of fundamental playing on each of the following: flute, clarinet, saxophone, oboe, and bassoon. Study of methods and materials for teaching these instruments. One hour lecture, two hours laboratory per week.

Mu. 192BR. Study of the Cornet, French Horn, Baritone, and Bass. (Credit: 2 semester hours)

Attainment of fundamental playing on each instrument named above.

Piano 114, 124. Study for Piano Majors. (Credit: 8 semester hours.)

For piano majors. Bach, two-part inventions; a Hayden, Mozart or Beethoven Sonata; Schubert, Impromptu; Mendelssohn, Songs without Words; Debussy, Arabesques. Ability to play simple accompaniments at sight.

Piano 214, 224. Study for Piano Majors (Credit: 8 semester hours.)

For piano majors. Three-part Inventions and Preludes and Fugues by Bach; Chopin, Waltzes and Nocturnes; numbers by Brahms, Prokofiev, or Scriabine. Piano majors will take two lessons per week with a minimum of three hours practice per day. Prerequisite: Piano 114 and 124.

Organ 114, 124. Study for Organ Majors. (Credit: 8 semester hours.)

For organ majors. Bach little preludes and fugues; pedal studies; sight reading.

Organ 214, 224. Study for Organ Majors. (Credit: 8 semester hours.)

For organ majors. Classical composition; improvisation, modulation, and sight reading. Composition by Franck, Mendelssohn, and Bach. Organ majors will take two lessons per week with a minimum of three hours practice per day.

Harp 114, 124. Study for Harp Majors. (Credit: 8 semester hours.)

For harp majors. Training in tuning and caring for the harp. Scales, arpeggios, and finger exercises; technical studies by Naderman and Bochs; appropriate solos.

Harp 214, 224. Study for Harp Majors. (Credit: 8 semester hours.)

For harp majors. Etudes by Hasselmanns and Bochs; pieces by Pierné, Tournier, Hasselmanns and Grandjany.

Harp majors will take two lessons per week with a minimum of three hours practice per day. Prerequisite: Harp 114, 124.

Choir 111, 121, 211, 221. A Cappella Choir. (Credit: 1 semester hour each).

Alvin A Cappella Choir functions as the official choir for the Alvin Junior College. Tryouts are held for placement in either "A" or "B" Choirs. Required of all vocal majors, without credit; open to all other students for credit. Credit for academic and non-vocal majors: one hour per semester. Not more than six semester hours may be earned in an ensemble music course to count toward a degree or diploma. Two lecture and two practice hours per week.

Choir 112, 122, 212, 222. A Cappella Choir. (Credit: 2 semester hours each).

Same as Choir 111, et al, except that students rehearse five hours per week. Consent of instructor is required.

A.M. 111 or 121, 211, 221. Applied Music. (Credit: 1 semester hour each).

Private lessons on any one of the following instruments: Organ, violin, piano, harp, clarinet, trumpet, or trombone. Student takes one lesson per week and practices one hour daily. The first letter of the name of the instrument is attached to the course letter: i.e., A.M. 111-O indicates lessons on the Organ. Detailed course plan is filed with the registrar at the beginning of each course and a progress chart is turned in at the end of the course.

A.M. 112, 122, 212, 222. Applied Music. (Credit: 2 semester hours each).

Same as A.M. 111, et al, except that the student takes two lessons per week and practices two hours per day. The first letter of the name of the instrument is attached to the course number; i.e. A.M.112-P, indicates lessons on the piano.

Mu. 113, 123. Music Appreciation. (Credit: 6 semester hours.)

Acquaintance with music masterpieces and styles of compositions through study of and listening to recordings, radio broadcasts, student performances, also by attending concerts and using audio-visual aids. Analysis of the more important musical forms. Comparative study of 18th, 19th, and 20th century music. Two hours lecture and two listening hours per week.

Mu. 112, 122. Dance Band. (Credit: 2 semester hours).

This course follows, in general, Music 107-108 offered by North Texas State College. Improvisation is stressed. It is intended that through analysis and precept the student will acquire a knowledge of basic materials and practices which will provide a foundation for continued interest and participation in the dance band. Class meets for 1 lecture and two practice hours per week.

## 6. THE DEPARTMENT OF FOREIGN LANGUAGE

Span. 031. **Introductory Drills in Spanish.** (Credit: 0 semester hours).

This language laboratory is required of all students who enter with either a low national score in English or who have grades below a "C" in high school English. Two drill hours per week. A remedial course for which no credit may be earned.

Span. 101J, 101K. **Conversation and Reading in Spanish.** (Credit: 1 semester hour (T) each semester).

This language laboratory and drill class is urgently suggested for three types of students: (1) the adult education student who can meet class only a limited amount of time, (2) the student who is taking Spanish 153 or 163 with a poor grade, or (3) the student who would like to be more effective in his study of college first year Spanish. Two drill-laboratory hours per week.

Span. 114, 124. **Beginners' Spanish.** (Credit: 8 semester hours).

This course includes essentials of grammar and translation, emphasizing accurate pronunciation, reading comprehension, and oral work. Reading prose within the first 1,000 words of Buchanan's **Spanish Word Book**, the first 110 idioms of Keniston's **Spanish Idiom List**, and mastery of text vocabulary. Three lectures and two practice hours per week for 36 weeks.

Span. 153, 163. **Beginning College Spanish.** (Credit: 6 semester hours).

While this course is definitely aimed toward proficiency in conversational Spanish, care is taken to give the student the necessary background in pronunciation, verb forms, and grammatical construction to enable him to take the following courses in Intermediate College Spanish.

Span. 183, 193. **Intermediate College Spanish.** (Credit: 6 semester hours).

This course includes more complex grammatical points. Reading of classical and contemporary literature with a view to furthering **Good Neighbor** relationships and gaining a better understanding of international affairs.

Span. 173G, 173H. **Advanced Conversation and Composition.**

This course is designed to further the student's study and use of Spanish after the fourth semester of college study in the language. Since it is an advanced course, approval of the Department is necessary in order to register for credit.

Spanish 233. **Readings in Spanish-American Literature Before 1890.** (Credit: 3 semester hours.)

Selected readings of Spanish-American prose and poetry, tracing literary movements along with historical movements in chronological order from earliest times to 1890. Outside reading assignments. Emphasis placed on both oral and written compositions. Conducted in Spanish. Prerequisite: Spanish 183-193.

Spanish 243. **Readings in Spanish-American Literature After 1890.** (Credit: 3 semester hours).

Selected readings of Spanish-American prose and poetry, concentrating on the contemporary novel since 1890. Outside reading assignments. Emphasis placed on oral and written composition. Conducted in Spanish. Prerequisite: Spanish 183-193.

Fr. 153, 163. **Elementary French.** (Credit: 6 semester hours).

This course is devoted to the essentials of grammar, oral and written composition, translation, and pronunciation. Fluency in reading is stressed. Fr. 153 is a prerequisite to Fr. 163.

Fr. 183-193. **French Composition and Grammar.** (Credit: 6 semester hours).

French readings, grammar, and composition based partly on a formal text and partly on selected readings. Stress will be placed on oral work. Course not offered in 1962.

## 7. THE DEPARTMENT OF HOME ECONOMICS

Cl. 113. **Textiles and Clothing.** (Credit: 3 semester hours.)

A course in elementary construction. This course is planned to help students meet simple clothing problems. Emphasis is placed on the five common textile fibers, selection of becoming and appropriate clothing, consideration of factors that influence price and suitability of fabrics for different uses.

One class and 4 laboratory periods per week.

Cl. 123. **Textiles and Clothing.** (Credit: 3 semester hours.)

A continuation of clothing study that provides for developing skills in fitting, tailoring, and remodeling clothes. One class and four laboratory periods weekly. Required for homemaking majors.

Foods 183, 193. **Foods and Nutrition.** (Credit: 6 semester hours.)

This course deals with nutrition and the selection, cost preparation of food, basic preparation of recipes and table service. One lecture period and four laboratory periods weekly. Required for homemaking majors.

Course may be taken for one semester only with the approval of the Dean and the Instructor.

F. L. 133. **Family Living.** (Credit: 3 semester hours.)

This course covers the study of the history of the family, its changes, and its present characteristics. Home management, equipment and its care, management problems relating to family, social life and daily living, and ways of improving marriage and family life are included in this course.

## 8. THE DEPARTMENT OF INDUSTRIAL ARTS

W.W. 153 (113). **General Woodworking.** (Credit: 3 semester hours.)

A course for the purpose of designing and constructing simple wood projects with hand tools by applying shop principles learned about hand tools, finishes and finishing materials, construction, wood fasteners, and cabinet hardware. Elementary construction with woodworking machines will follow the hand tool information. Meets for 1 theory class and four hours of laboratory work per week. Prerequisite: none.

W.W. 163. **Cabinet Making.** (Credit: 3 semester hours)

A continuation of Woodwork 153, but centering around the use, care, and operation of machines. The course will include design, construction, factory methods, a study of lumber, and upholstery. Prerequisite: W. W. 153 or equivalent.

W.W. 183, 193. **Advanced Cabinet Making.** (Credit: 6 semester hours.)

A course in advanced cabinet making and design based on factory methods. This course is designed to fit the student for employment or for specialization at a senior college in this field. Class meets for 1 theory lesson and 4 laboratory hours per week. Prerequisite: W.W.163.

G. M. 153, 163. **General Metalwork:** (Credit: 6 semester hours).

This in an introductory course in metal work. Emphasis is given to the study and discussion of processes and procedures of working metals as utilized by industry. Students will complete laboratory work in: Bench metal, Welding (oxy-acetylene and arc), Forging and Heat-treat, Ornamental iron work, Basic sheetmetal work, Foundry and machine work (drill press, grinder, and engine lathe).

M. S. 183. **Machine Shop** (Credit: 3 semester hours).

This course will consist primarily with the machining of metal. Emphasis is placed on the operations, safety and maintenance of metal working machines. Student laboratory work includes operating the grinder, drill press, engine lathe, shaper, and milling machine. Prerequisite: M. S. 163 or equivalent.

M. S. 193. **Advanced Machine Shop.** (Credit: 3 semester hours).

This course is designed to further the machine shop experience of the student who primarily is interested in this type of work. With the aid of the instructor, the student selects special projects involving machine shop experiences gained in the other machine shop courses and furthers his ability and knowledge as a learner in industry or production work. Prerequisite. M. S. 183.

**E. D. 113. Engineering Drawing.** (Credit: 3 semester hours).

Engineering drawing is designed for the student who plans to major in Engineering at a senior college. It offers drafting experiences and reproduction procedure comparable to industrial practices. Nine hours of lecture-laboratory-practice work per week.

**E. D. 112-121. Engineering Drawing.** (Credit: 3 semester hours).

Same course as Engineering Drawing 113, but divided into two semesters of work; six hours of lecture and laboratory the first semester and three hours of lecture and laboratory the second term.

**D. G. 183. Descriptive Geometry.** (Credit: 3 semester hours).

A course designed for those who plan to major in engineering in a senior college. Point, line and plans problems; tangent planes, intersection and developed surfaces; auxiliary views; shade shadow, and perspective. Two lectures and seven hours of supervised problem work per week. Prerequisite: Engineering Drawing and entrance credit for Solid Geometry.

**D. G. 183A. Descriptive Geometry.** (Credit: 1½ semester hours).

First half of D.G. 183 plus selected review of Engineering Drawing 112. Four lecture-laboratory hours per week.

**D.G. 183B. Descriptive Geometry.** (Credit: 1½ semester hours).

This course constitutes the second half of D.G. 183. Four lecture-laboratory-practice hours per week.

**A. D. 132, 141. Architectural Drawing.** (Credit: 3 semester hours).

This course is set up as a beginning course in Architecture involving some basic principles of design and composition; free hand sketching, techniques of presentation and simple practice problems. Nine hours of lecture-laboratory-practice hours per week. Permission of instructor is necessary to take the course.

**G. A. M. 183. General Automotive Mechanics.** (Credit: 3 semester hours).

A study of the fundamental principles of operation of the various units of the automobile and engine; care and safety of operation, and preventative maintenance; with some emphasis placed on methods of teaching by the use of visual aids in the form of cut away units, mock ups, films, charts, tune up equipment, and operational automobile units in the shop.

## 9. THE DEPARTMENT OF MATHEMATICS

(A student may not count more than one Algebra course on transfer to a Senior College).

**Alg. 032. Introductory Algebra.** (Credit: 0 semester hours).

Alvin Junior College will require each student of mathematics who makes a low score in this subject on his entrance examination to take this first course in mathematics. This course will cover a review of arithmetic and high school algebra. Successful completion of this course will qualify a student to enroll in a credit course in college algebra. Two lecture hours per week.

**Alg. 113. College Algebra.** (Credit: 3 semester hours).

This course includes a review of elementary topics followed by a more intensive study of advanced topics in quadratic equations, systems of quadratic equations, inequalities, progressions, complex numbers, elementary theory of equations, permutations, combinations, mathematical induction and other selected topics as time permits. Prerequisite: Two years of high school algebra or consent of department.

**Alg. 113E. College Algebra for Engineers.** (Credit: 3 semester hours).

This course is for pre-engineering and science majors. It includes only a brief review of elementary topics followed by a more intensive study of advanced topics in quadratic equations, systems of quadratic equations, inequalities, progressions, complex numbers, elementary theory of equations, permutations, combinations, mathematical induction and other selected topics as time permits. Prerequisite: Two years of high school algebra or consent of department.

**Alg. 113L. College Algebra for Business Majors.** (Credit: 3 semester hours).

This course is designed to meet the needs of students majoring in business and other related fields. This course includes a review of elementary topics followed by a more intensive study of advanced topics in quadratic equations, systems of quadratic equations, inequalities, progressions, complex numbers, elementary theory of equations, permutations, combinations, logarithms, and applications to commercial problems.

**Alg. 103. Introduction to College Algebra.** (Credit: 3 semester hours (T)).

Students who have a poor academic foundation should enroll for this course which gives review topics in elementary algebra and moves on to more advanced topics such as fractions, linear equations in one unknown, systems of equations, graphs, exponents and radicals. Credit may be counted on the A.A. diploma, but credit is not recommended for transfer to a senior college. Formerly Alg. 133.

**E. P. 111. Engineering Problems.** (Credit: 1 semester hour.)

This is a course for pre-engineers and if selected should be taken concurrently with Physics 184. It is designed to introduce the student

to elementary problems from all fields of engineering. Particular emphasis is placed on learning to manipulate the slide rule with speed and accuracy. Two lecture-laboratory hours per week for 18 weeks. (Prerequisite: Alg. 103 or 113, and Trig. 123).

**Geom. 103W. Introductory Geometry.** (Credit: 3 semester hours).

A course in plane geometry open to students who cannot satisfy the plane geometry pre-requisite for Trigonometry 123. Credit for this course may not be used to satisfy normal senior college degree requirements and will not be allowed to students who use high school geometry for college entrance. Some course in plane geometry is required of all pre-engineering students.

This course takes up the elements of plane geometry with application to congruent triangles; parallel lines; angles of a triangle; angles of a polygon; congruent right triangles; quadrilaterals; distance; inequalities; bisectors, medians, altitudes; chords; tangents and secants; angles in circles; locus; proportion; similar triangles and similar polygons.

**S. Geom. 103. Solid Geometry.** (Credit: 3 semester hours).

This course is required of all students who plan to be candidates for engineering degrees and who do not have a solid geometry credit to present for entrance. This course or high school solid geometry is often a prerequisite for calculus. Prerequisite: Plane Geometry.

**Trig. 123. Plane Trigonometry.** (Credit: 3 semester hours.)

Mastery of trigonometric functions with applications; functions of acute angles; functions of obtuse, and multiple angles; identities; derivation of formulas; logarithms; solution of both right triangles and obtuse triangles; practical problems involving heights and distances; graphical representation of trigonometric functions and geometric applications. Prerequisite: Algebra 113 and High School Plane Geometry.

**An. 114. Analytic Geometry.** (Credit: 4 semester hours.)

A course in the solution of geometric problems through applied algebra by the graphical representation of points, lines, curves and the transformation of coordinates, polar coordinates, transcendental curves, parametrics and space formulas, with special emphasis on rapid curve sketching. Prerequisite: Algebra 113 and Trig. 123.

**Cal. 215, 225. Differential and Integral Calculus.** (Credit: 10 semester hours. 5 semester hours each semester.)

This course is designed to meet the needs of engineering and science students. Differentiation and integration of algebraic functions with applications, followed by a similar treatment of transcendental functions, formal integration by various devices, series, expansion of functions, partial derivatives and multiple integrals constitute the course. Five lecture hours per week. Prerequisite: An. 114.

**Cal. 213, 223. Differential and Integral Calculus.** (Credit: 6 semester hours).

These courses are designed to meet the needs of engineering and science majors. These two courses, followed by a course in calculus applications, are fully equivalent to Calculus 215, 225. A study of limits, differentiations, rates, maxima and minima, curvature, elementary integrals, definite integrals, areas, lengths, and volumes constitute the material in the course. Prerequisite: Analytic Geometry 114.

**Cal. 233. Calculus Applications.** (Credit: 3 semester hours).

A study of centroids, moments of inertia, pressure, work, partial differentiation, series, multiple integrals, and hyperbolic functions constitute the material in this advanced course. Prerequisite: Calculus 223 or 225.

**T. E. 213. Theory of Equations.** (Credit: 3 semester hours).

This course will include complex number system, remainder theorem, factor theorem, synthetic division, solutions of polynomial equations, determinants, matrices, symmetric functions, and discriminants. Prerequisite: Analytic Geometry 114.

**D. E. 213. Differential Equations.** (Credit: 3 semester hours).

This course is made to meet the needs of engineering students. The following topics are included in the course of study: equations of the first order, singular solutions, linear equations with constant coefficient, miscellaneous methods of solving equations of higher order than the first, with geometric and physical applications. Three lecture hours per week for 18 weeks. Prerequisite: Calculus 223 or 225.

**M. 193. Mathematics of Finance.** (Credit: 3 semester hours).

Due to the great variety of financial problems arising in modern life, this course is of value to students of commerce and business administration, engineering, law, and liberal arts. The course includes an introduction to compound interest and compound discounts, ordinary and general annuities, amortization and sinking funds, bonds, permutations, combinations, probability and life insurance. Prerequisite: Algebra 113L or the equivalent.

### 10. THE DEPARTMENT OF PHYSICAL EDUCATION

**P. E. 111, 121. Physical Education for Women.** (Credit: 1 semester hour each term.)

**P. E. 131, 141. Physical Education for Men.** (Credit: 1 semester hour each term.)

**P. E. 231, 241, 211, 221. Physical Education for Sophomore Students.** (1 ea.)

**Ed. 183. Health Education** (See Dept. of Education).

## 11. THE DEPARTMENT OF SCIENCE

A. Physics      B. Chemistry      C. Biology

### A. PHYSICS

Phy. 184L. **Mechanics and Heat.** (Credit: 4 semester hours).

Open to freshmen. This is a technical course designed to meet the needs of science and engineering students. Topics covered include: vectors and vector products, equilibrium, moments of a force, motion, Newton's second law, . . . and the first and second law of thermodynamics. Prerequisite: Mathematics 215 or consent of department. Three lecture and four laboratory hours per week.

Phy. 214. **Electricity and Magnetism.** (Credit: 4 semester hours).

This course is a technical course in electricity and magnetism designed especially for science, engineering, and technical students. Prerequisite: Physics 184L. Class meets for three lecture and four laboratory hours per week.

Phy. 224. **Wave-Motion, Sound, Light.** (Credit: 4 semester hours).

A technical course for students in science, engineering, and other technical fields. Topics covered include: nature and propagation of light, reflection, interference, diffraction, lens, polarization, atomic model of Rutherford and Bohr, natural radioactivity, and nuclear energy. Prerequisite: Physics 184L. Three lecture and four laboratory hours per week.

Phy. 114-124. **Physics.** (Credit: 8 semester hours).

A survey course of the physical science fields. Topics selected from physics, chemistry, geology, astronomy, and metrology to illustrate the philosophy and methods of science. Special problems in mechanics and heat. Three lecture and two laboratory hours per week for 36 weeks. Prerequisite: Alg. 103.

### B. CHEMISTRY

Chem. 114-124. **General Inorganic Chemistry and Qualitative Analysis.**

(Credit: 8 semester hours).

A technical course in inorganic chemistry and qualitative analysis, based upon and an extension of H. S. Chemistry. Emphasis is placed on chemical mathematics and report writing. The first semester is devoted to a comprehensive review and extensions of basic principles, with emphasis being placed on the latest atomic-molecular concepts, chemical equations, equilibria, solutions and electrochemistry. The second semester's work consists of a study of several less-common elements in each periodic group, and the general principles of qualitative analysis, using semi-micro techniques in the laboratory. Three lectures and four laboratory hours per week. Prerequisite: High School Chemistry or the equivalent, or consent of department.

Chem. 113-123. **General Chemistry.** (Credit: 6 semester hours.)

A general course which is designed for those students who do not intend to do further work in science or engineering. The first semester is devoted to a study of the atomic-molecular theory, valence, formulae chemical equations, solutions and practical applications.

The second semester's work consists of a study of electro-chemistry, oxidation-reduction reactions, radiation chemistry, elementary qualitative analysis and organic chemistry. Three hours of lecture and two hours of laboratory per week. Prerequisite: Alg. 103.

Chem. 284. **Organic Chemistry.** (Credit: 4 semester hours).

Elementary Organic Chemistry is a course designed to serve chemistry, pre-medical, and pharmacy students. Emphasis is upon present day theories and chemical principles that relate to everyday phenomena. Hydrocarbons, acids, ethers, alcohols, anhydrides, esters, aldehydes, ketones, amines and halogen compounds are studied. Prerequisite: Chem. 184-194. Three lecture and four laboratory hours per week.

Chem. 294. **Organic Chemistry: II.** (Credit: 4 semester hours).

A continuation of the first course in organic chemistry. Prerequisite: Chem. 284. Three lecture and four laboratory hours per week.

### C. BIOLOGY

Bio. 114. **Elementary Zoology.** (Credit: 4 semester hours.)

A basic course in zoology with special reference to the vertebrate types. Also included are considerations pertaining to the morphology, physiology, embryology, and taxonomy of selected invertebrate phyla representatives. Comprehensive laboratory work will be stressed. This course serves as a foundation for advanced work in the field of zoology. Three hours of lecture and three hours of laboratory per week.

Bio. 124. **Elementary Botany.** (Credit: 4 semester hours.)

A basic course in botany which includes the morphology, physiology, taxonomy, and ecology of selected phyla representatives. Special emphasis is given to the seed plants along with comprehensive field and laboratory exercises. This course serves as a foundation for advanced work in botany. Three hours of lecture and three hours of laboratory per week.

Bio. 104. **Survey of Biology.** (Credit: 4 semester hours).

This is based, in general, on Biology 115, Texas A and M College; a summarization of biological forms and principles and the impact which



they have upon man and his affairs. Credit may not be earned for both Bio. 114 and Bio. 104. Three hours of lecture and three hours of laboratory per week.

Zoo. 133. **Invertebrate Zoology.** (Credit: 3 semester hours).

A systematic study of the invertebrate phyla terminating with the mollusca. Bio. 133 and 143 are primarily designed to meet the needs of students who are pursuing a pre-medical, pre-dental, pre-laboratory technician or biological science major. Special emphasis is placed on microscope technique, drawing technique, and the overall ability to follow laboratory instructions. Three hours of lecture and three hours of laboratory per week.

Zoo. 143. **Vertebrate Zoology.** (Credit: 3 semester hours).

A continuation of Bio. 133. The structure and physiology of representative vertebrates with special emphasis on the frog as the vertebrate type are studied. Three hours of lecture and three hours of laboratory per week.

Bio. 213-223. **Human Anatomy and Physiology.** (Credit: 6 semester hours).

The study of the physiology and anatomy of the organ systems of the body. Recommended for home economics and physical education majors. Three hours of lecture and three hours of laboratory per week for the full year. Prerequisite: Bio. 114 or consent of the department.

## 12. THE DEPARTMENT OF SOCIAL SCIENCE

A. History B. Geography C. Government D. Economics and Sociology

### HISTORY

H. 113,123. **History of Western Civilization.** (Credit: 6 semester hours).

History of Western Civilization is a six-semester-hour course extending through the school year. The fall semester's work in History 113 will begin with the study of man's pre-historic origins and trace the evolution of civilization to the outbreak of the Protestant Revolt in the sixteenth century. Obviously no more than an outline of man's history over a period of many centuries can be studied within the scope of one semester. This course is not only an introductory course in the field of history, but it is also the basic introduction to economics, government, sociology and geography.

H. 183. **The United States to 1865.** (Credit: 3 semester hours).

European forces; Spanish and Portuguese conquest in the Americas; English, French, and Dutch beginnings; accomplishments of nationalistic groups; revolution in British colonies; War of Independence; establishment of the new nation; westward movement and frontier influence; problems of the formative period; cultural and constitutional growth; internal and international relations. This course is required for graduation from all state colleges in Texas.

H. 193. **The United States since 1865.** (Credit: 3 semester hours).

Continuation of History 183. Growth of national ideals; movement for individual freedom; party government and public interests; industrial development; labor problems and agrarian unrest; changing international policies; war and peace; problems of agriculture, business, and government; cultural progress and attempts at social cooperation; current world problems and trends. This course is required by all state colleges in Texas for graduation.

H. 133. **History of the Americas: The Colonial Period.** (Credit: 3 semester hours).

This course takes up the history of the Americas during the colonial period and early stages of the independence movement. The student is given training in social science research. These topics are included: exploration, colonization, and governments of the Spanish, Portuguese, and French settlers; Inter-American relations and the Texas Good Neighbor Commission; the Spanish heritage of the Americas; and colonial problems. Three hours per week for 18 weeks.

H. 143. **History of the Americas: The National Period.** (Credit: 3 semester hours).

This survey course deals with the development of the independent states of the Americas since 1804; modern political and economic developments; Inter-American relations; Canada and the Americas; the geography of the Americas; and recent trends in cultural and political activities in the Americas. Three hours per week for 18 weeks.

H. 122, 132, 142. **History of the Americas.** (6 semester hours, 2 each).

These three courses equal History 133, 143. **The Colonial and National Periods of Latin American History.** Basic texts, used from 1958-62 are Williams, "The People and Politics of Latin America"; Thomas, "Latin America: A History"; and Bailey and Nasatir, "Latin America: The Development of Its Civilization". On transfer, H. 122, 132 alone will very likely count only as H. 133. H. 142 covers the American nations from 1900 to 1960. Text material, geography, and 3 short research projects. Two lecture hours per week.

H. 103. **Current History and Public Affairs.** (Credit: 3 semester hours).

Contemporary events and movements. This course is designed especially to acquaint the student with the major problems confronting the American people in both domestic and international affairs.

H. 183K. **Basic Books in U. S. History to 1865.** (Credit: 3 semester hours).

This is a reading and lecture course which gives to the student an understanding of some of the great books in the field of history, their effect on society, and the authors who wrote them. Credit toward graduation is not given for both History 183 and 183K.

H. 101N, H. 101S. **Introduction to the History of International Relations Activities.** (Credit: 1 semester hour per course).

History of international relations, developments in U. S. diplomatic history, Latin America and Pan Americanism, and the development of international trade. One lecture and 1 laboratory hour per week.

#### GEOGRAPHY

Geog. 183. **Principles of Geography.** (Credit: 3 semester hours).

Students are introduced to the study of human society in relation to the physical conditions and resources of the earth in this course. Physical features studied in lecture and special studies, such as field trips. Prerequisite: Sophomore standing or consent of department. Three lecture periods per week and 1 field trip.

#### GOVERNMENT

Govt. 213. **American National and State Governments.** (Credit: 3 semester hours.)

A study of the origin and development of our federal system of government; analysis of the federal and state constitutions with special attention to the Texas constitution; federal-state and inter-state relations; and special emphasis on problems of citizenship in a modern, democratic society. Three hours per week for 18 weeks. Prerequisite: Sophomore standing.

Govt. 223. **American State Government.** (Credit: 3 semester hours).

A study of the functions and services of the government of the United States, the states in general, and Texas in particular. Three hours per week for 18 weeks. Prerequisite: Sophomore standing.

Govt. 233. **Constitutions.** (Credit: 3 semester hours).

European and colonial background of the United States Constitution, formation of the document, and the Constitution in operation. Constitutional history of Texas; consideration of procedures under the document and of proposals for change. Prerequisite: Sophomore standing.

#### ECONOMICS AND SOCIOLOGY

Eco. 153. **Consumer Economics.** (Credit: 3 semester hours.)

How to make the most efficient use of business goods and services; and insight into buying problems such as use and evaluation of advertising; consumer financial problems such as banking, credit, personal accounting and budgeting, and installment buying. Three hours per week for 18 weeks.

Soc. 153. **Contemporary Social Problems.** (Credit: 3 semester hours.)

Preparation for well-informed participation in public affairs through objective examination of existing social arrangements and traditional social institutions. Three hours per week for 18 weeks.

Soc. 213. **Principles of Sociology.** (Credit: 3 semester hours).

This course is designed particularly for the social science major, the social welfare worker, and the person who may specialize in personnel problems. Material which is studied in this course is designed to present the viewpoint and the fundamental principles of the field of sociology. Three lecture hours per week for 18 weeks. Prerequisite: sophomore standing or six semester hours credit in history.

Soc. 223. **Social Problems.** (Credit: 3 semester hours).

Specific conditions, problems, and issues; poverty, unemployment, old age, health, family, crime, juvenile delinquency, race, and nationality. Prerequisite: Sociology 213 or Sophomore standing with a "B" average.

Eco. 183. **Principles of Economics.** (Credit: 3 semester hours.)

A study of the basic principles of economics with emphasis on production, exchange, value, distribution, consumption, and saving; the institutions through which each of these principles operates in a capitalist economy; industrial and business organizations; money and credit; price; wages; interest; profit.

Eco. 193. **Economic Problems.** (Credit: 3 semester hours.)

A study of the economic problems arising from the interaction

of economic institutions; problems of labor, finance, business cycles, international economics, governmental control; a study of the major forms of economic collectivism.

This course and Economics 183 are recommended for those who plan degrees in law, teaching, and business administration. Prerequisite: Economics 183

## VII. ADULT EDUCATION

### A. OBJECTIVES

The Department of Adult Education has been created as a service department for the adults of Alvin and the surrounding territory. The prime objective of the department is to offer educational opportunities to enable adults to meet the constantly changing requirements for successful community living. A program of services in these areas is proposed:

Advanced adult academic education of a secondary and post-secondary level including technical and collegiate education.

General education in the fields of intercultural and international understanding through conferences, courses, forums, lectures and suitable media.

Basic elementary education for the foreign and native born, including training for naturalization and citizenship.

Education in the fields of homemaking and family relations.

Education in vocational and prevocational training.

Opportunities of recreational and hobby type nature conducive to enriched personal and community living.

Education in economic, social and civic problems.

Other pertinent areas.

To assure a close tie with the community, the Board of Education has appointed a Community Advisory Committee drawn from thirty related organizations and interests. This Community Advisory Committee meets upon need to determine the interests, needs, facilities, and opportunities for adult education and recreation and how the program is to be financed.

In addition, a Resource Committee is drawn from the college faculty to provide professional and technical advice and assistance.

### B. FOUR AREAS

The program of educational services to adults has been implemented under four presentations:

#### 1. Academic Program

Adults may acquire academic work and collegiate credit through the regular day or evening program of the college.

Tuition for academic work done during the evening hours is the same as for that done during the day. (See tuition chart.)

It is advised that students with full time employment not carry more than nine semester hours of work per term.

All departments of the college represented in the curriculum offer courses as requests are expressed. A minimum of ten students is required for an academic class.

#### 2. High School Equivalency

Adults may earn an Alvin High School Equivalency Diploma through the Adult Education Department of the Alvin Junior College. This program does not attempt to take the student through a complete high school program but it does (a) establish academic ability equivalent to twelfth grade graduates and (b) provide review and additional background in subject-matter areas practical to adult life. Briefly, the student shows high school education equivalency by successfully passing 1) entrance tests 2) four courses, (English, mathematics, government and reading) and 3) the same comprehensive tests taken by high school graduates.

#### Entrance Requirements

The applicant must:

- 1) Be at least 21 years old. Exception: He may be less than 21 years of age if he has completed the Alvin Junior College Basic Education Equivalency Program or if he is a veteran.
- 2) Be a United States citizen.
- 3) Have completed at least the 8th grade.
- 4) Spend approximately 10 clock hours (3 evenings) in taking General Educational Development Tests and make a score of at least 35 on each test or an average of at least 45 on the set of 5 tests.

#### Program

- 1) Time required:  
1 academic year of 2 semesters—beginning with either Fall or Spring semester—2 nights a week, 3 hours a night.

2) Course:  
Fall semester, English and mathematics.  
Spring semester, government and reading.

3) Tests:  
General Educational Development Tests (for entrance)  
Covering four courses taken

Cooperative Tests (scores to equal norm established by 12th grade graduates)

4) Diploma:  
Completion of the program will be certified by a high school diploma with the notation "having completed in a satisfactory manner the prescribed high school equivalency program for adults and having attained scores equivalent to that of Alvin High School seniors on American Council on Education general achievement tests."

5) Graduation:  
Both Fall and Spring semester high school equivalency graduates will be recognized at Alvin's annual graduation exercises in May.

**Costs (payable by semester)**

- 1) \$4.00 Tests fee; activity fee \$3.00, annual included.
- 2) \$30.00 Tuition (\$15.00 per course)—Total per year, \$60.00
- 3) \$8.00 Books and supplies (estimate)
- 4) Diploma \$4.25—Payable at beginning of semester of graduation.

**BASIC (ELEMENTARY) EDUCATION EQUIVALENCY**

Arrangements have been made for adults desiring to establish educational equivalency in elementary school subject matter. Upon entrance to the program the applicants will be given standardized achievement tests in order to determine their grade level. The students will be advanced as rapidly as they complete levels of training. Having completed the requirements for basic (elementary) equivalency, the students will be recommended for the Certificate of Basic Education Equivalency. They will then be eligible to enter the Alvin Junior College program for high school equivalency. Applicants must be at least 18 years old.

The fees include: \$3.00 for the testing program, tuition of \$18.00 per three month period, and payment for books and supplies. Advance application is necessary.

**3. SHORT UNIT COURSES**

These courses are designed for those adult students wishing to give only a short time to the certain studies and activities of practical or avocational value. Most of the classes meet once or twice a week for four or six weeks. The registration fees vary according to the number of actual clock hours of instruction.

Because the registration fees are low and classes are often continued on the basis of the number of students in the early enrollment, there are no refunds or transfers of fees. Equipment is usually provided by the college and students furnish their own materials unless other arrangements are agreed to. Where expensive materials, equipment or services are required for certain classes, a special fee per student has been charged. No grades are given; however, certificates of completion are issued to those who have been in full attendance and who have successfully completed projects during the allotted class time. Each course of 18 clock hours length carries with it 1 semester hour terminal credit with the college, provided it meets the approval of the Dean and the Registrar of the college.

If a short course other than those that are offered through the year is desired, it will be arranged if requested by as many as ten students, provided an instructor and facilities are available.

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