

ALVIN JUNIOR COLLEGE

BULLETIN OF INFORMATION

AND

ANNOUNCEMENT OF COURSES

DAY COLLEGE

EVENING COLLEGE

1953-54

Alvin, Texas

With Announcements for 1954-55

No. 3

CALENDAR

1953

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

1954

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

MAY

S	M	T	W	T	F	S
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 RECESS

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

1955

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

MAY

S	M	T	W	T	F	S
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 RECESS

SESSION OF 1953-54 and 1954-55

From: September 8, 1953 to May 28, 1954, inclusive

1953-54

1954-55

- Registration Aug. 27 to Sept. 3 Aug. 26 to Sept. 2
- Convocation September 4, 1953 September 3, 1954
- Classes begin September 8, 1953 September 7, 1954
- Last date to register
for full load September 25, 1953 September 24, 1954
- Thanksgiving Vacation .. November 26, 27 November 25, 26
- Christmas Holidays Dec. 22 to Jan. 4 Dec. 21 to Jan. 3
- Final Exams Begin .. January 14, 1954 January 13, 1955
- First Semester Ends ... January 22, 1954 January 21, 1955
- Second Semester Begins January 25, 1954 January 24, 1955
- Last date to register
for full load February 8, 1954 February 7, 1955
- Easter Holidays April 16, 19 April 8, 11
- Final Exams Begin May 19, 1954 May 18, 1955
- Baccalaureate Service . May 23, 1954 May 22, 1955
- Graduation Exercises .. May 27, 1954 May 26, 1955
- Second Semester Ends . May 28, 1954 May 27, 1955
- Summer Recess May 28 to Sept. 7 May 27 to Sept. 6

SESSION OF 1955-56

College Classes Begin September 6, 1955

ADMINISTRATION

BOARD OF TRUSTEES

Dr. H. E. Merz, President
Mr. Max Vogan, Secretary

Mr. Carlton Ely
Mr. J. E. Harriman
Mr. D. D. Clark

Mr. Nester Wieting
Miss Verna Browning
Mr. George Duncan

OFFICERS OF ADMINISTRATION

Mr. A. G. Welch, M.A. Superintendent
Mr. S. N. Maxwell, M.S. Assistant to Superintendent
Mr. W. H. Meyers, M.S. Dean
Mr. N. M. Nelson, M.A. Registrar
Miss Louise Kropf, M.A. Director Adult Education
Miss Estelle Cope, M.A. Counseling
Mrs. W. O. Ferrell Sect. to Dean and Registrar
Mrs. R. E. Foster Sect. to Superintendent
Mrs. Thelma Hutchins, R.N. Resident Nurse

FACULTY

Mr. A. G. Welch, M.A. Superintendent
Mr. S. N. Maxwell, M.S. Assistant to Superintendent
Mr. W. H. Meyers, M.S. Dean
Mr. Neal M. Nelson, M.A. Registrar
Mr. O. T. Barker, M.Ed.* Industrial Arts
Miss Charles B. Benson, M.A.* English
Mrs. Anona Brown, M.S.* Home Economics
Mr. Alton Burgess, M.A.* Agriculture
Miss Joyce Bynum, M.A. Physical Education
Miss Estelle Cope, M.A. Guidance Counselor
Miss Mona Daniel, M.A.* Social Science
Mr. J. D. Engman, M.A.* Baseball Coach, Education
Mr. W. O. Ferrell, M.Ed. Track Coach, Physical Education
Mrs. Minnie Fincher, M.A.* Spanish
Miss Willie B. Finger, M.S. Mathematics
Mrs. Margret Frisby, M.A. Speech
Miss Arlyne Haggard, M.A.* Business Education
Mr. John M. Holst, M.S.* Science
Miss Helen A. Horton, M.M.* Piano, Organ, Harp

Mrs. Thelma Hutchins, R.N. Nurse
Mr. M. B. Johnstone, M.Ed. Basketball Coach
Miss Bessie Mae Kee, M.Ed. English
Miss Louise Kropf, M.A.* Adult Education
Mrs. Lucille Mason, M.A. Vocal Music
Mr. Melvin R. Mason, M.A. Journalism-English
Mr. J. H. Morriss, M.Ed. Science
Mr. C. P. Munz, M.Ed.* Industrial Arts
Mrs. Helen Roberts, M.S. Home Economics
Mr. C. B. Roland, M.Ed. Football Coach
Mr. Cecil E. Rusk, B.S. Instrumental Music
Mrs. Cherry Simpson, M.A.* Art
Miss Evelyne Strickland, M.A. Library
Mr. William A. Wasson, M.S.* Mathematics

*Denotes department head

AN EDUCATION

... in a college for living

Alvin Junior College was started to put into practice a number of ideas about education. The College aims to sustain these ideas:

1. The belief that it is impossible to separate the school from the world.
2. The belief that democracy is a good way of life, to be lived as well as studied.
3. The belief that learning is something that happens through experience, in a living situation.
4. The belief that education has to be different for each person because no two persons are alike.

On these beliefs Alvin has built an educational plan in which each student is encouraged, guided, and instructed toward academic and vocational efficiency.

I. GENERAL INFORMATION

A. HISTORY

Alvin Junior College is an educational institution, publicly controlled by the Alvin Public School System, which offers two years of standard collegiate work on the post-high school level, two years of work in certain terminal curricula, and two years of high school instruction.

Alvin Junior College consists of the eleventh, twelfth, thirteenth, and fourteenth grades. The eleventh and twelfth grades constitute the lower division and the thirteenth and fourteenth grades constitute the upper division.

The College was authorized and established after a careful survey had been taken at the urging of citizens of this community. Action by the Board of Education was followed by a favorable vote by the citizens who passed a bond issue and set a tax for the support of the College.

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 athletic

teams which carried out a busy schedule included teams in football, basketball, tennis, baseball, and track. In addition, intramural teams were organized which included members from the eleventh through the fourteenth grades. 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 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, book-keeping, 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.

1950-51 School Year

The College opened for the second year on September 5. Highlights for the year included the following planned activities and events:

In the registration for the Fall term, it was found that over forty fourteenth grade students registered. On September 11, the faculty of the College was honored with a reception in commemoration of Teachers' Day in the Americas. The first Parent-Teachers Association meeting was held on September 12 and the P.T.A. Carnival was carried out in early Fall.

Athletic events included a full schedule for the lower division in football and basketball in which the Alvin teams won first place in the district. The upper division fielded a better than average basketball team which completed its final game suddenly when five of the first-string players went into the military service in mid-January.

All-College activities which drew considerable interest included a play (with a cast from both the upper and lower divisions) which was presented to the public on December 14, a formal dance on December 21, and intramural basketball games during the second semester. Graduation was held for both groups on May 28, 1951 in the Stadium, with about 70 lower division and 20 upper division students eligible to receive their diplomas.

1951-52 School Year

The College year opened with a convocation for upper division students on Friday, September 7. The next day, the faculty met with Mr. Welch and with the building Principals and the Dean. The enrollments for the third year of Alvin Junior College included: Upper Division, 99 thirteenth grade; 22 fourteenth grade; 128 specials; and 681 adults. Lower division enrollment was 188 in grades eleven and twelve.

Faculty changes have been relatively few in the first years of the College. Added to the staff in 1950 were: Mrs. Edwin Mason (replacing Miss Virginia Moore), and Virgil Warren (replacing Robert Butts). Stapp Maxwell was promoted to become Assistant to the Superintendent and his place on the coaching staff was taken by Mike Johnstone. Dave Engman returned to Alvin after several years absence to take over instruction in the Education Department and to coach. During the 1951-52 year Mrs. Margret Frisby joined the staff (replacing Miss Jean Haberle) and Miss Almira Phillips replaced Mrs. Merle Wilson in the English Department.

In athletics, the Yellowjackets finished third in district play in football. The Alvin team tied for district with La Porte in basketball; won a district championship in baseball with an undefeated record; sent two boys to the state meet in Austin in track; and placed as district champions (no regional winners) in tennis. These teams were made up of lower division students who played under Texas Interscholastic League rules.

Other events of note during the busy year included: The dance honoring the Alpha Class members (11 grade) on September 21, visit to Stanolind Plant by the Beta class on October 17, the All-College play, "Ring Around Elizabeth," presented on November 15, The Y-Teens Christmas party in the Student Lounge on December 14, the All-College dance by the PASF on December 22, the Social Security Institute held in the College Assembly Room on January 10, 1952, a band trip to Houston on January 30, a special P.T.A. program on Selective Service held on February 5, F.F.A. banquet, March 14; Beta Class play, April 29; Vocations Day program sponsored by the Rotary Club of Texas City and the local PASF, May 14; Award day, May 21; and graduation for upper division and lower division students in the Auditorium on May 29.

Classes began on September 8, 1952 for the beginning of the fourth year of the College. Enrollments for the year included: thirteenth grade, 44; fourteenth grade, 25; specials, 109; and adults, 457. The lower division enrollment was 208.

New members of the faculty included Mrs. Forrest Howk, Business Administration; Alton Burgess, Agriculture; Miss Joyce Bynum, Girls Physical Education; Cecil Rusk, Band; and Melvin Mason, Journalism. During the year two members who had served on the Alvin faculty passed away — Miss Virginia Moore and T. A. Smith, Principal of the Elementary School.

In music, Miss Helen Horton's music students won seven first place awards in contests; the Band, under the direction of Cecil Rusk, made marvelous improvement and won several first place awards at the band contests. Mrs. Edwin Mason took her Choir on several singing engagements where they pleased large crowds.

A new innovation in the field of dramatics in the College came about on April 13 and 14 when the students presented an all-college cast in "Joint Owners in Spain" and "High Windows" adapted for theatre "in the round."

The football team finished third in the district play with a 6-4 record; placed first in district play in basketball followed by a fourth place win at the State meet in Austin; won district championship in baseball; Donald Pucek won first at State meet in track; and Alvin won first place in district in tennis.

Other events of interest included: P.T.A. reception for the faculty on September 29, concert by the Choir on December 18, the annual Christmas dance on December 20, Campus Frolics on March 20, "Kid Day" on April 1, Alpha-Beta banquet on April 24, banquet for the fourteenth grade graduates by the PASF on May 18, the final meeting of the Adult Education Advisory Committee on May 22, and graduation for 10 upper division and 78 lower division students on May 28, 1953.

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) Alvin Junior College is a 4-year college, patterned in part after institutions found in Mississippi, California, and Kansas. An integrated program from the eleventh through the fourteenth grades is being carried out.

(3) The Southern Association of College 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. (Grades 13 and 14).

(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 Board of Education has provided for the completion of a standard course of study in the eleventh and twelfth

grades, with graduation from the twelfth grade permitted as a matter of routine when all requirements are met. Of course, students are free either to continue on in the thirteenth grade or to go to another college if they so choose.

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

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

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

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

C. REGULATIONS

AFFILIATION WITH ACCREDITING AGENCIES

Alvin Junior College is equipped with laboratory, classroom, and athletic facilities which are designed, over a period of a few years, to meet in full the requirements for recognition by the Southern Association of Colleges and Secondary Schools, the Texas Association of Junior Colleges, the Association of Texas Colleges, and the Texas Education Agency. The Board of Education has authorized the Administrative Officers of the College to accept invitations to join the following organizations in 1949:

- The Southern Association of Junior Colleges
- The Association of Texas Public Junior Colleges
- The American Association of Junior Colleges

On April 7, 1951, Alvin Junior College was voted full membership in the Association of Texas Colleges on recommendation of the Committee on Standards and Classification, Dr. A. H. Nolle, Chairman. Students who transfer from Alvin Junior College will be able from this school year on, to have their credits accepted at full value at any accredited college in Texas. These transfer students are reminded, however, that each college has

its curricular patterns and the student will find it wise to take his courses in Alvin Junior College in the proper sequence as outlined in the bulletin of the senior college to which he plans to transfer.

Approval of the Association of Texas Colleges was retroactive to September, 1950. These science courses were approved for this College: Physics 184-194; Chemistry 114-124; Chemistry 113-123; and Biology 113-123.

ADMISSION

UNITS

ENTRANCE requirements are stated in terms of units. A unit represents nine months of study in a subject in a secondary school, consisting approximately of a quarter of the studies for the year. A four year's curriculum should be regarded as representing not more than sixteen units of work. Since Alvin Junior College consists of two divisions, entrance requirements are stated for both the lower division and the upper division:

Admission to Lower Division:

A student will be admitted to the eleventh grade when he has earned at least eight acceptable high school units, or their equivalent. Upon entrance, the student will be expected to follow a definite curriculum as outlined in section III-C, Curriculum Suggestions.

Admission to Upper Division:

All graduates from accredited secondary schools are eligible for entrance to the Alvin Junior College. However, those students who plan to enter the Division of Liberal Arts and Pre-Professional Training should enter with high school credits as shown in the following chart. Adults may enter the Department of Adult Education at any time, subject to the current rules of the College. Returning veterans may enter at any time, and their program will be given individual attention by the Registrar.

GENERAL REQUIREMENTS

Age. Applicants for admission to the upper division must be at least 14 years old. Applicants who seek admission by individual approval must be at least 21 years old.

For full admission to the College fifteen units of high school credits are required, eight being prescribed and seven 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 A—2
- d. Natural Science—1
- e. Additional from Section A or B, or A or B together—7

Section A

English Group		Mathematics Group	
English	3-4	Algebra	1-1½-2
Foreign Language Group		Plain 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		Social Science Group	
Biology	1	Early European History	1
Botany	1	Modern European History	1
Chemistry	1	World History	1
General Science	1	American History	½-1
Physics	1	Texas History	½
Physiography	½	Civics	½-1
Zoology	1	Economics	½

All other courses accredited by the Texas Education Agency.

COLLEGE OF ENGINEERING

The unit requirements for admission to the colleges of engineering are: English—3 units; Algebra—2 units; Plane Geometry—1 unit; Solid Geometry—½ unit; Physics—1 unit; from Section A above—3½ units; and additional from Section B—4 units, making a total of at least 15 units.

METHODS OF ADMISSION

Students may be admitted in one of four ways, or by a combination of two or more of them, as follows:

- (a) **By Diploma**—Within the limits of the above list,

graduates of schools in the approved list issued by the Texas Education Agency are credited with the subjects they have completed in which the schools are accredited. In order to determine these units, they are required to present statements of their work made out by the superintendent or principal.

- (b) **By Examination**—Any or all scholarship requirements may be met by passing the admission examination.

In grading examination papers, whatever the subject, account will be taken of the applicant's use of English. Excellence in one subject will not make up for deficiency in another. Credits are not divisible in any subject.

Every natural science examination paper must be accompanied by a laboratory notebook.

- (c) **General Educational Development Tests**—Any veteran who has seven high school credits and passes the General Educational Development Test will be admitted to college.

- (d) **By Individual Approval**—An applicant over 18 years of age who has been a member of the armed services, or an applicant over 21 years of age, may be admitted without examination on the following conditions:

He must furnish evidence that he has substantially covered the ground of the units required of other candidates and that he has sufficient ability and seriousness of purpose to do the work desired with profit to himself and to the satisfaction of the College.

Removal of Deficiencies—Alvin Junior College follows the plan used at Del Mar College which 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.

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.

Students in the lower division who wish to take more than four subjects must secure the approval of the Dean. All members of the Beta Class (12 grade) must secure the approval of the Dean when registering for the Fall term.

STUDENT PUBLICATIONS

The student body, under faculty sponsorship, edits a weekly paper called **The Clarion** and a year book, **The Yellow Jacket**. Both of these publications are well received and provide the students and the college organizations with opportunity for training in journalistic practices.

NUMBER OF HOURS—STUDENT LOAD

A student should register for five college courses, or fifteen class hours per week (in the upper division) or for four courses (in the lower division). 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 partime 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 three-year hours, according to whether it meets for a semester or a year.

In the lower division a unit represents the work carried on in a class which meets five times per week for thirty-six weeks.

MINIMUM ENROLLMENT—UPPER DIVISION

The standard college load is fifteen semester hours of work. Students who take more than this amount 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.

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 "cuts" 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 dropped from the rolls as of the date the notice was sent out. This rule applies to civilian and veteran students alike.

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 represents 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.

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.

GRADES AND REPORTS

Grades: Alvin Junior College rates a student by work done in class work, 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, unless the student has been permitted by the Dean to postpone the examination or a part of the class work.

A student who fails to pass in a course, but makes a grade of "K", is called "conditioned" and is allowed opportunity to remove the condition by a second examination within one semester after it was received. This second examination may be taken with the next class in the same subject, or on one of the days appointed for condition examinations. In either case he must make application to the Dean before the seventh day preceding the day of the examination period. At the discretion of the teacher, a student who makes a "K" on a course may be allowed to continue the course, and by making a "C" on the next semester's work remove the condition.

A student who fails to pass a condition examination in any subject forfeits thereby the right to ask for another examination

in that course and must take the course over to secure credit for it. Absence from any scheduled examination will have the same effect as failure, unless excused by the Dean or Registrar.

A student who makes a grade of "D" and wants to raise that grade may do so by completing an outline review and taking a special examination. A written request must be made to the Dean for permission to take this examination; the outline must be filed with the Registrar.

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".

A grade of "F" equals 1 minus grade point per hour.

ORGANIZED ACTIVITIES IN ALVIN JUNIOR COLLEGE

Thirteen clubs operate during the school year at Alvin Junior College. They are: The Press Club, the Pan American Student Forum, Future Farmers of America, Future Teachers of America, Athletic Club, Music Club, Girls Basketball Club, Tennis Club, Homemaking Club, Library Club, Speech Club, Slide Rule Club, and the College Orchestra.

Meetings are held usually during the activity period. In addition, the Faculty and the 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 77.

DESIGNATION OF CLASSES BY NAMES

The terms eleventh, twelfth, thirteenth, and fourteenth grades are used in the school program when discussing the grade. The use of names for the classes offered a problem which was solved in the September, 1950 meeting of the Student Council. The lower division students have found that, in referring to

themselves as juniors and seniors, they were by inference giving a high school designation to themselves. Therefore, in order to give the eleventh and twelfth grade students a better chance to establish themselves as an integral part of the junior college, (established on a four-year basis), the terms for the class designations were voted unanimously by the Student Council as follows: 11 grade, Alpha Class; 12 grade, Beta Class; 13 grade, Gamma Class; and 14 grade, Delta Class.

SCHOLASTIC PROBATION

Students who fail to pass in at least three-fourths of their subjects or who fail to maintain a 1-point grade average for a semester are placed on scholastic probation by the Dean. Students must bring up their work by the end of the next semester. Failure to do so will mean that the student will be dropped from the rolls of the college for at least one college school term.

PROBATIONARY PERIOD—UPPER DIVISION

Students who are admitted on individual approval to Alvin Junior College and students who are placed on probation for scholarship deficiency will be expected to make marked improvement within the time limitation stated by college officials.

Students who took work before September 5, 1950 will be accepted at a senior college on individual approval. The student will validate his work by successful completion of his course during his first semester of residence study at the senior college.

Alvin Junior College became a fully accredited college on April 7, 1951. This means that the work at Alvin Junior College is considered to be on a par with work at other accredited junior colleges in Texas as well as on a par with the freshman and sophomore years at senior colleges in Texas. Transfer credit will be given by all colleges, which are accredited, in the State of Texas.

GUIDANCE—UPPER DIVISION

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 development course is given through the Department of Education and Psy-

chology called Orientation 101A-101B. 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.

STUDENT COUNCIL

Student affairs of Alvin Junior College are managed by a student council made up of at least five representatives of each of the four classes (11-12-13-14 grades). 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. Interschool 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 the whole school

3. College Colors: Blue, white, and orange

The sponsors of the Student Council are: The Dean, the Registrar, and the Guidance Director. At least one sponsor will be present at all council meetings.

SCHOLARSHIPS

The Board of Education will award annually a scholarship of \$50.00 (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.

D. NUMBERING OF COURSES

THREE DIGITS ARE USED IN NUMBERING COURSES

- a. The first digit denotes the level of work, whether it is 11, 12, 13, or 14 grade in nature.
 1. Subjects numbered from 100 to 149 are of thirteenth (Gamma) level; subjects numbered 180-199 are courses taken in either the thirteenth or fourteenth year.
 2. Subjects numbered in the 200's are of fourteenth year level.
 3. Courses numbered 150 to 179 and 250 to 279 are standard college courses which may be counted to fulfill graduation requirements for an Associate in Arts Diploma or a Terminal Education Certificate and they are designed to fulfill the requirement that each college offer at least 24 hours of vocational and/or terminal courses. The student who plans to take no work above the junior college level will find them useful in that they will increase his employability in certain areas.
- b. The middle digit indicates the progression in a subject or course. English 113 is the first course usually offered in the fall term, and it is followed by English 123, usually offered in the spring term.
- c. The last digit denotes the credit value in semester hours. Subjects labeled 101A and 101B carry one-half hour of credit per semester. "A" or "B" attached indicates half of number value (i.e. 133A carries 1½ hours' credit).
- d. Courses on the secondary school level are denoted by the use of 10-11-12, such as history 11A and 11B (eleventh grade subject).

ADVANCED STANDING—UPPER DIVISION

Advanced standing may be secured by two 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.

Solid geometry and trigonometry accepted as entrance credit may each be counted as two semester hours toward a diploma, provided (1) that the applicant has sufficient number of entrance units other than these, and (2) that the applicant takes a full course (six hours) of college mathematics and makes an average of at least C.

HYPHENATED COURSES—UPPER DIVISION

Courses which are hyphenated in the catalogue are considered to be one-year subjects, and credit is not given toward graduation or 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 113-123, Chemistry 114-124, History 113-123, Accounting 214-224, and Physical Education. See list, pages 47 to 50.

E. TUITION AND FEES

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

1. **Resident**—Students who are residents of the Alvin Independent School District.

II. REQUIREMENTS FOR GRADUATION

UPPER DIVISION

- 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 thirteenth and fourteenth grades including:
1. Nine semester hours in English and at least three semester hours in either speech or journalism.
 - or
 2. Twelve semester hours in English.
 3. Six hours in social science, including at least three hours in government.
 4. Complete at least fifteen hours of work of fourteenth grade standing. (Courses: 180's, 190's, or 200's.)
 5. Earn at least twelve semester hours of credit at Alvin Junior College.
- 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 and shop.
 2. Six hours in social science, music, psychology, or mathematics.
 3. At least six hours in English.
 4. Sufficient hours to total sixty semester hours.
 5. Earn at least twelve semester hours at Alvin Junior College.

2. **Non-Resident**—Students whose home is not in the Alvin Independent School District but who are residents of Texas.
3. **Out of State**—Students whose home is outside of the State of Texas.

Tuition and fees are as follows:

1. **Resident students** classified as full time students pay each semester;
 - a. \$5.00 general deposit fee (returnable).
 - b. \$5.00 music fee for students taking piano, organ, or vocal music lessons.
2. **Non-Resident students** pay each semester
 - a. \$12.00 per course (3 hour subject) or \$25.00 tuition for a full load (15 semester hours of work).
 - b. \$5.00 deposit fee.
 - c. \$5.00 fee for students taking lessons in piano, organ or vocal music.
3. **Out of State residents** pay each semester:
 - a. Tuition over and above \$25.00 as prescribed by state authorities.
 - b. \$5.00 deposit fee.
 - c. \$5.00 fee for students taking piano, organ, or vocal music. (Choir or chorus excepted).
4. Students in the lower division do not pay tuition, except as prescribed in the School Laws of the State of Texas or by the Board of Education.
5. In classes operated under the Adult Education program, all students pay \$4.00 per semester hour, with a maximum tuition of \$25.00 per semester, 3a above excepted.

LOWER DIVISION

The work in the eleventh and twelfth grades of Alvin Junior College comes under the supervision of the Texas Education Agency. The following requirements for graduation from the twelfth grade are taken from the State bulletin:

English	3 units
Mathematics	2 units
Social Studies	2 units
(one unit must be American History)	
Laboratory Science	1 unit
Electives	8 units
TOTAL	16 units

REGISTRATION PROCEDURE

1. Students who transfer from other schools must present a copy of their official transcripts. Turn in to Office of the Registrar.

2. The Counseling Office is well equipped with special tests, job requirements, and personnel data. Students are asked to contact the Guidance Counselor to decide, in conference with the Counselor, what vocational field should be selected. This provides the Registrar with the necessary information to enroll a student in a type of curriculum in which the student has an interest and in which he may, with reasonable assurance, succeed.

3. The Registrar is the administrative officer charged with working out the student's exact class schedule and forwarding his record to another institution if the student transfers elsewhere. The permanent record files are in the custody of the Registrar and a student may ask for his record as he may need such information. **No records will be furnished if the student has not cleared his financial obligations to the College.** A course plan is made up for each student with these points in mind: (a) his major vocational interest, (b) his previous training in a certain field, (c) requirements for graduation, and (d) his plans to take work at another institution in the future.

4. **Note:** "Students expecting to specialize in foreign languages, music, drama, science, or home economics in college should begin work in those subjects in high school (grades 9 or 10); those looking forward to college work in the sciences, mathematics, medicine, business administration, law, music, or pharmacy should take in lower division (high school) at least $1\frac{1}{2}$ years of algebra, one year of plane geometry, and in most cases two years of science (biology, chemistry, physics)." Future engineers should take all the science and mathematics available.

III. DIVISIONS OF THE COLLEGE

A. VALUE OF 6-4-4 PLAN

¹ See "Parsons and the 6-4-4 Plan," Junior College Press, Parsons, Kansas.

The success of other schools who have tried the 6-4-4 plan of operation, naturally, influenced the Board of Education of the Alvin Schools when they voted to establish the Alvin Junior College. It may be of interest here to recount the various advantages which have been set down by others who have had twenty or more years of experience along these lines.¹

"Perhaps the more apparent advantage to the educator lies in the fact of the more simple organization and the superiority which a four-year unit has over a three or a two-year unit of the schools. . . . Under some plans, it is necessary either to have separate and distinct administrations for the two-year junior college and the three-year senior high school or to ask one administrator to handle both of these organizations. Neither of these plans is entirely satisfactory. . . . Under some types, we have separate administrators for units of two, three, and three years each, respectively. It is quite generally conceded that such a plan is unduly expensive and can not be so efficient as the operation of larger units. The same objections hold very largely where the three-year senior high school and the two-year junior college are operated under the same administrator. It is true that the expense of operation would be somewhat curtailed by that change but it has the added handicap that two of these units are under the supervision of a single administrator which makes for a complicated situation and certainly does not add to school efficiency. The difficulties which inhere in the operation of two or three-year school units still obtain.

"One serious difficulty noted under some plans of operation is that the tenth grade students particularly are the step-children of the upper unit. As the youngest students of the five grades which are usually housed together, it seems very difficult to provide them with the activities which are desirable for students of that age and classification. They belong to the year of early adolescence while the students of the upper four years represent

rather the years of later adolescence. For that reason the tenth grade seems to integrate better with the seventh, eighth, and ninth grades than with the more advanced years.

"As the dominant class in the junior high school, the tenth grade students have a much better opportunity for the development of leadership than they could possibly have as the lower grade in a five-year or even a three-year unit."

The elimination of the tenth grade leaves a more cohesive and advanced group of students in the four-year junior college. Dr. John W. Harberson, principal of the Pasadena four-year junior college, says, "With a proper orientation and adjustment program in the eleventh grade, the upper classes, including the twelfth grade, can be held to a standard of accomplishments in no way inferior to that maintained in the traditional freshman and sophomore years of college." Here again the fact that practically all of the teachers in the unit instruct classes from grades eleven to fourteen inclusive, means that a high standard of preparation is required for teaching positions and that the students in the eleventh and twelfth grades have the advantage of the same high quality of teaching as that enjoyed by the students in the upper division of the four-year school. Ordinarily there seems to be a wide gap between the type of work done in the average senior year in high school and that which is demanded of students in the freshman year in college. This four-year unit tends to bridge that gap, not by lowering the standard of work done by the upper division, but rather by raising the standard in the lower division.

Other arguments which are produced by educators for the new plan of organization are as follows:

1. The social program for the upper unit can be developed satisfactorily because there is not too wide a spread in the ages and social maturity of the students ranging from the eleventh to the fourteenth grades.

2. Curriculum reorganization and sequence are encouraged by virtue of the fact that a much larger percentage of students transfer directly from the twelfth to the thirteenth grades than under other types of organization. Thus needless repetition can be eliminated.

3. Ultimately, under this plan, the diploma or degree given at the end of the junior college years will come from a four-year institution and will thus be considered more valuable and desirable than a similar diploma for a two-year school.

B. THE LIBRARY

One of the most important contributions that the schools can make to a student's preparation for life is to render effective guidance in the use of library tools. Students are not altogether to blame if they have not had these advantages brought to their attention; therefore, teachers and librarians on all levels should be responsible for directing their students in the use of learning materials offered in the library. If students are to learn efficiently from working in the library, educators must integrate library usage with the teaching of their various subjects, that is, require work that stresses the intelligent use of library aids.

The library is recognized as a guidance and materials center where pupils may come to know, use, and enjoy books, magazines, and other library resources in all subject fields. It is a laboratory, reading room, and a work center for the entire school.

Alvin Junior College Library, housed in the new building, contains approximately six thousand books as well as a number of periodicals for use in supplementing class work. The periodical files go back to 1938, thus furnishing the students with a wealth of reference material in many fields.

C. CURRICULAR SUGGESTIONS

ART — LEADING TO B. A. DEGREE*

Eleventh Year		Thirteenth Year	
1. English 11A, 11B.....1 unit	A. English 113, 123.....6 hrs.		
2. Am.Hist. 11A, 11B.....1 unit	B. History* .....6 hrs.		
3. Plane Geometry 11A, 11B.....1 unit	C. Art 113, 123.....6 hrs.		
4. Art 11A, 11B.....1 unit	D-1. Mathematics, or		
5. P. E.....Credit	D-2. Speech 113, 123.....6 hrs.		
6. Forum 11A, 11B.....Credit	E-1. Foreign Language, or		
	E-2. Education 113, 123.....6 hrs.		
	F. P. E.....Credit		
	G. Orientation 101.....1 hr.		

Note: History 113-123, or 183, 193, or 133, 143.

Twelfth Year

1. English 12A, 12B*.....1 unit
- 2a. Civics, or
- 2b. Sociology 12B, or
- 2c. Economics 12B.....1 unit
3. Elective2 units
4. P. E.....Credit
5. Forum 12A, 12B.....Credit

Note: *Speech or Journalism may be substituted for English 12 with the permission of the Dean.

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

Eleventh Year		Thirteenth Year	
1. English 11A-11B.....1 unit	A. English 113, 123.....6 hrs.		
2. Am. History 11A-11B.....1 unit	B. Mathematics or History.....6 hrs.		
3. Typing 10A-10B.....1 unit	C. Science* .....6 or 8 hrs.		
4. Plane Geometry 11A-11B.....1 unit	D-1. Foreign Language, or		
5. P. E.....Credit	D-2. Speech 113, 123.....6 hrs.		
6. Forum 11A-11B.....Credit	E. Electives .....6 hrs.		
	F. P. E.....Credit		
	G. Orientation 101A-101B .....1 hr.		

Twelfth Year

1. English 12A, 12B*.....1 unit
- 2a. Economics 12B, or
- 2b. Civics, or
- 2c. Sociology 12B.....1 unit
- 3a. Shorthand 12A-12B, or
- 3b. Bookkeeping1 unit
4. Elective1 unit
5. P. E.....Credit
6. Forum 12A-12B.....Credit

Note: *Journalism or Speech may be substituted for English 12 with approval of the Dean.

*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.

CURRICULA

DRAMATICS AND SPEECH — LEADING TO B. A. DEGREE

Eleventh Year		Thirteenth Year	
1. English 11A, 11B.....1 unit	A. English 113, 123.....6 hrs.		
2. Am. History 11A, 11B.....1 unit	B. Speech 113, 123.....6 hrs.		
3. Public Speaking 11A, 11B.....1 unit	C. Mathematics or History.....6 hrs.		
4. Plane Geometry 11A, 11B.....1 unit	D. Foreign Language.....6 hrs.		
5. P. E.....Credit	E. Electives .....6 hrs.		
6. Forum .....Credit	F. P. E.....Credit		
	G. Orientation 101A-101B.....1 hr.		

Twelfth Year

1. English 12A, 12B.....1 unit
- 2a. Civics, or
- 2b. Sociology 12B, or
- 2c. Economics 12B.....1 unit
- 3a. Art 11A, 11B, or
- 3b. Foreign Language.....1 unit
4. Elective1 unit
5. P. E.....Credit
6. Forum 12A, 12B.....Credit

Fourteenth Year

- A. English 213, 223*.....6 hrs.
- B. Dramatics 183.....3 hrs.
- C. Government 213, 223.....3 hrs.
- D. Science ** or Math.....6 or 8 hrs.
- E. History *** or Economics.....6 hrs.
- F. Electives6 hrs.

Note: *Journalism may be substituted for English 223 with Dean's approval.

**Science-Biology, Chemistry, or Physics.

***History 113-123, 183, 193, or 133, 143.

PRE-LAW — LEADING TO L. L. B. DEGREE

Eleventh Year		Thirteenth Year	
1. English 11A, 11B.....1 unit	A. English 113, 123.....6 hrs.		
2. Am. Hist. 11A, 11B.....1 unit	B-1. Mathematics, or		
3. Plane Geometry 11A, 11B.....1 unit	B-2. Speech 113, 123.....6 hrs.		
4. Spanish .....1 unit	C. Science*.....6 or 8 hrs.		
5. P. E. 11A-11B.....Credit	D. History** .....6 hrs.		
6. Forum 11A-11B.....Credit	E. Foreign Language.....6 hrs.		
	F. P. E. ....Credit		
	G. Orientation 101A-101B.....1 hr.		

Twelfth Year

1. English 12A, 12B*.....1 unit
2. Public Speaking, 11A, 11B.....1 unit
3. Civics½ unit
4. Sociology 12B.....½ unit
5. Spanish1 unit
6. P. E.....Credit
7. Forum 12A-12B.....Credit

Fourteenth Year

- A. English 213, 223*.....6 hrs.
- B. Mathematics or Speech.....6 hrs.
- C. Government 213, 223.....6 hrs.
- D-1. B. A. 214, 224, or
- D-2. Economics 213, 223.....6 or 8 hrs.
- E. Electives6 hrs.

Note: *Journalism 12A-12B or Speech 11A-11B may be substituted for English 12A, 12B with the approval of the Dean.

Note: *Speech or Journalism may be taken in place of English 223. However, most senior colleges require 12 hours of English for graduation.

CURRICULA

EDUCATION—LEADING TO B. ED. DEGREE

Eleventh Year	Thirteenth Year
1. English 11A, 11B.....1 unit	A. English 113, 123.....6 hrs.
2. Am. History 11A, 11B.....1 unit	B-1. Science*, or
3. Plane Geometry 11A, 11B.....1 unit	B-2. Mathematics .....6 or 8 hrs.
4. Spanish .....1 unit	C. Foreign Language .....6 hrs.
5. P. E. ....Credit	D. Ed. 113, 123.....6 hrs.
6. Forum 11A, 11B.....Credit	E. P. E. ....Credit
	F. Orientation 101A-101B .....1 hr.
	Note: *Science-Biology, Chemistry, or Physics.
Twelfth Year	Fourteenth Year
1. English 12A, 12B.....1 unit	A. English 213, 223*.....6 hrs.
2a. Civics, or	B. Government 213, 223.....3 hrs.
2b. Sociology 12B, or	C. Education 213, 223.....6 hrs.
2c. Economics 12B, or	D. History** .....6 hrs.
2d. Texas History 11B .....1 unit	E. Electives .....9 hrs.
3. Spanish .....1 unit	Note: *Journalism may be substituted for English 223. **History 113-123, or History 183, 193, or 133, 143.
4. Elective .....1 unit	
5. P. E. ....Credit	
6. Forum 12A, 12B.....Credit	

INDUSTRIAL ARTS—LEADING TO B. S. DEGREE

Eleventh Year	Thirteenth Year
1. English 11A, 11B.....1 unit	A. English 113, 123.....6 hrs.
2. Am. Hist. 11A, 11B.....1 unit	B. Mathematics .....6 hrs.
3. Plane Geometry 11A, 11B.....1 unit	C. Science* .....6 or 8 hrs.
4. Shop or Agriculture.....1 unit	D. Ag. 113, 123 or Shop 153, 163.....6 hrs.
5. P. E. ....Credit	E. Electives .....6 hrs.
6. Forum 11A, 11B.....Credit	F. P. E. ....Credit
	G. Orientation 101A-101B .....1 hr.
	Note: *Science-Biology, Chemistry, or Physics.
Twelfth Year	Fourteenth Year
1. English 12A, 12B.....1 unit	A. English 213, 223.....6 hrs.
2a. Physics, or	B. Government 213 .....3 hrs.
2b. Mathematics .....1 unit	C. Science* .....6 or 8 hrs.
3. Shop or Agriculture.....1 unit	D. Shop .....6 hrs.
4. Electives .....1 unit	E. Electives .....9 hrs.
5. P. E.....Credit	Note: *Science-Biology, Chemistry, or Physics.
6. Forum 12A-12B .....Credit	

CURRICULA

PRE-MEDICAL — LEADING TO M. D. DEGREE

Eleventh Year	Twelfth Year
1. English 11A, 11B.....1 unit	1. English 12A, 12B*.....1 unit
2. Am. Hist. 11A, 11B.....1 unit	2a. Civics, or
3. Spanish 11A, 11B*.....1 unit	2b. Texas History 11B, or
4. Plane Geometry 11A, 11B.....1 unit	2c. Economics 12B, or
5. P. E. ....Credit	2d. Sociology 12B .....1 unit
6. Forum 11A, 11B.....Credit	3. Spanish 12A, 12B .....1 unit
Note: *Students may begin language in tenth grade.	4. Chemistry 11A, 11B.....1 unit
	5. P. E. ....Credit
	6. Forum 12A, 12B.....Credit
	Note: *Substitution may be made on approval of the Dean.
Thirteenth Year	Fourteenth Year
A. English 113, 123 .....6 hrs.	A. English 213, 223.....6 hrs.
B. Biology 113, 123.....6 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, 123, or
E. Chemistry .....8 hrs.	D-2. History 183, 193.....6 hrs.
F. P. E. ....Credit	E. Electives .....9 hrs.
G. Orientation 101A-101B .....1 hr.	

MUSIC—LEADING TO BACHELOR OF MUSIC DEGREE

Eleventh Year	Thirteenth Year
1. English 11A, 11B.....1 unit	A. English 113, 123.....6 hrs.
2. Am. Hist. 11A, 11B.....1 unit	B. Mathematics .....6 hrs.
3. Plane Geometry 11A, 11B.....1 unit	C. History* .....6 hrs.
4. Spanish 11B, 11B.....1 unit	D-1. Science**, or
5. Music .....Credit	D-2. Education 113, 123.....6 or 8 hrs.
6. P. E. ....Credit	E. Music 114 .....4 hrs.
7. Forum 11A, 11B.....Credit	F. P. E. ....Credit
	G. Orientation 101A-101B .....1 hr.
Twelfth Year	Note: *History 113-123, History 183, 193, or 133, 143. **Science-Biology, Chemistry, or Physics.
1. English 12A, 12B* .....1 unit	
2a. Civics 12A, or	
2b. Sociology 12B, or	
2c. Economics 12B, or	
2d. Texas History 12A.....1 unit	
3. Spanish 12B, 12B.....1 unit	
4. Elective .....1 unit	
5. Music .....Credit	
6. P. E. ....Credit	
7. Forum 12A, 12B.....Credit	
Note: *English 12 may be dropped and another subject elected with approval of the Dean.	
	Fourteenth Year
	A. English 213, 223*.....6 hrs.
	B. Government 213, 223**.....6 hrs.
	C. Music .....6 hrs.
	D. Electives .....12 hrs.
	Note: *Journalism may be substituted for English 223. **Three hours of Government are required for A. A. diploma.

C. CURRICULAR SUGGESTIONS

ART — LEADING TO B. A. DEGREE*

Eleventh Year		Thirteenth Year	
1. English 11A, 11B.....	1 unit	A. English 113, 123.....	6 hrs.
2. Am.Hist. 11A, 11B.....	1 unit	B. History*	6 hrs.
3. Plane Geometry 11A, 11B.....	1 unit	C. Art 113, 123.....	6 hrs.
4. Art 11A, 11B.....	1 unit	D-1. Mathematics, or	
5. P. E.....	Credit	D-2. Speech 113, 123.....	6 hrs.
6. Forum 11A, 11B.....	Credit	E-1. Foreign Language, or	
		E-2. Education 113, 123.....	6 hrs.
		F. P. E.....	Credit
		G. Orientation 101.....	1 hr.

Twelfth Year

1. English 12A, 12B*.....	1 unit
2a. Civics, or	
2b. Sociology 12B, or	
2c. Economics 12B.....	1 unit
3. Elective	2 units
4. P. E.....	Credit
5. Forum 12A, 12B.....	Credit

Note: *Speech or Journalism may be substituted for English 12 with the permission of the Dean.

Note: History 113-123, or 183, 193, or 133, 143.

Fourteenth Year

A. English 213, 223.....	6 hrs.
B. Government 213, 223*.....	6 hrs.
C-1. Education, or	
C-2. Mathematics	6 hrs.
D. Art.....	6 hrs.
E. Electives	6 hrs.

Note: *Six hours of government are advisable, but not a requirement for the A. A. Diploma.

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

Eleventh Year		Thirteenth Year	
1. English 11A-11B.....	1 unit	A. English 113, 123.....	6 hrs.
2. Am. History 11A-11B.....	1 unit	B. Mathematics or History.....	6 hrs.
3. Typing 10A-10B.....	1 unit	C. Science*	6 or 8 hrs.
4. Plane Geometry 11A-11B.....	1 unit	D-1. Foreign Language, or	
5. P. E.....	Credit	D-2. Speech 113, 123.....	6 hrs.
6. Forum 11A-11B.....	Credit	E. Electives	6 hrs.
		F. P. E.....	Credit
		G. Orientation 101A-101B	1 hr.

Twelfth Year

1. English 12A, 12B*.....	1 unit
2a. Economics 12B, or	
2b. Civics, or	
2c. Sociology 12B.....	1 unit
3a. Shorthand 12A-12B, or	
3b. Bookkeeping	1 unit
4. Elective	1 unit
5. P. E.....	Credit
6. Forum 12A-12B.....	Credit

Note: *Journalism or Speech may be substituted for English 12 with approval of the Dean.

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

Fourteenth Year

A. English 213, 223.....	6 hrs.
B. Government 213, 223*.....	6 hrs.
C-1. Foreign Language, or	
C-2. Speech 113, 123.....	6 hrs.
D. B. A. 214, 224.....	8 hrs.
E. Electives	6 hrs.

Note: *Three hours of Government required for A. A. Diploma.

*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.

CURRICULA

DRAMATICS AND SPEECH — LEADING TO B. A. DEGREE

Eleventh Year		Thirteenth Year	
1. English 11A, 11B.....	1 unit	A. English 113, 123.....	6 hrs.
2. Am. History 11A, 11B.....	1 unit	B. Speech 113, 123.....	6 hrs.
3. Public Speaking 11A, 11B.....	1 unit	C. Mathematics or History.....	6 hrs.
4. Plane Geometry 11A, 11B.....	1 unit	D. Foreign Language.....	6 hrs.
5. P. E.....	Credit	E. Electives	6 hrs.
6. Forum	Credit	F. P. E.....	Credit
		G. Orientation 101A-101B.....	1 hr.

Twelfth Year

1. English 12A, 12B.....	1 unit
2a. Civics, or	
2b. Sociology 12B, or	
2c. Economics 12B.....	1 unit
3a. Art 11A, 11B, or	
3b. Foreign Language.....	1 unit
4. Elective	1 unit
5. P. E.....	Credit
6. Forum 12A, 12B.....	Credit

Fourteenth Year

A. English 213, 223*.....	6 hrs.
B. Dramatics 183.....	3 hrs.
C. Government 213, 223.....	3 hrs.
D. Science ** or Math.....	6 or 8 hrs.
E. History *** or Economics.....	6 hrs.
F. Electives	6 hrs.

Note: *Journalism may be substituted for English 223 with Dean's approval.

**Science-Biology, Chemistry, or Physics.

***History 113-123, 183, 193, or 133, 143.

PRE-LAW — LEADING TO L. L. B. DEGREE

Eleventh Year		Thirteenth Year	
1. English 11A, 11B.....	1 unit	A. English 113, 123.....	6 hrs.
2. Am. Hist. 11A, 11B.....	1 unit	B-1. Mathematics, or	
3. Plane Geometry 11A, 11B.....	1 unit	B-2. Speech 113, 123.....	6 hrs.
4. Spanish	1 unit	C. Science*.....	6 or 8 hrs.
5. P. E. 11A-11B.....	Credit	D. History**	6 hrs.
6. Forum 11A-11B.....	Credit	E. Foreign Language.....	6 hrs.
		F. P. E.....	Credit
		G. Orientation 101A-101B.....	1 hr.

Twelfth Year

1. English 12A, 12B*.....	1 unit
2. Public Speaking, 11A, 11B	1 unit
3. Civics	½ unit
4. Sociology 12B.....	½ unit
5. Spanish	1 unit
6. P. E.....	Credit
7. Forum 12A-12B.....	Credit

Note: *Journalism 12A-12B or Speech 11A-11B may be substituted for English 12A, 12B with the approval of the Dean.

Fourteenth Year

A. English 213, 223*.....	6 hrs.
B. Mathematics or Speech.....	6 hrs.
C. Government 213, 223.....	6 hrs.
D-1. B. A. 214, 224, or	
D-2. Economics 213, 223.....	6 or 8 hrs.
E. Electives	6 hrs.

Note: *Speech or Journalism may be taken in place of English 223. However, most senior colleges require 12 hours of English for graduation.

CURRICULA

EDUCATION—LEADING TO B. ED. DEGREE

Eleventh Year	Thirteenth Year
1. English 11A, 11B.....1 unit	A. English 113, 123.....6 hrs.
2. Am. History 11A, 11B.....1 unit	B-1. Science*, or
3. Plane Geometry 11A, 11B.....1 unit	B-2. Mathematics .....6 or 8 hrs.
4. Spanish .....1 unit	C. Foreign Language .....6 hrs.
5. P. E. ....Credit	D. Ed. 113, 123.....6 hrs.
6. Forum 11A, 11B.....Credit	E. P. E. ....Credit
	F. Orientation 101A-101B .....1 hr.
	Note: *Science-Biology, Chemistry, or Physics.
Twelfth Year	Fourteenth Year
1. English 12A, 12B.....1 unit	A. English 213, 223*.....6 hrs.
2a. Civics, or	B. Government 213, 223.....3 hrs.
2b. Sociology 12B, or	C. Education 213, 223.....6 hrs.
2c. Economics 12B, or	D. History** .....6 hrs.
2d. Texas History 11B .....1 unit	E. Electives .....9 hrs.
3. Spanish .....1 unit	Note: *Journalism may be substituted for English 223. **History 113-123, or History 183, 193, or 133, 143.
4. Elective .....1 unit	
5. P. E. ....Credit	
6. Forum 12A, 12B.....Credit	

INDUSTRIAL ARTS—LEADING TO B. S. DEGREE

Eleventh Year	Thirteenth Year
1. English 11A, 11B.....1 unit	A. English 113, 123.....6 hrs.
2. Am. Hist. 11A, 11B.....1 unit	B. Mathematics .....6 hrs.
3. Plane Geometry 11A, 11B.....1 unit	C. Science* .....6 or 8 hrs.
4. Shop or Agriculture.....1 unit	D. Ag. 113, 123 or Shop 153, 163.....6 hrs.
5. P. E. ....Credit	E. Electives .....6 hrs.
6. Forum 11A, 11B.....Credit	F. P. E. ....Credit
	G. Orientation 101A-101B .....1 hr.
	Note: *Science-Biology, Chemistry, or Physics.
Twelfth Year	Fourteenth Year
1. English 12A, 12B.....1 unit	A. English 213, 223.....6 hrs.
2a. Physics, or	B. Government 213 .....3 hrs.
2b. Mathematics .....1 unit	C. Science* .....6 or 8 hrs.
3. Shop or Agriculture.....1 unit	D. Shop .....6 hrs.
4. Electives .....1 unit	E. Electives .....9 hrs.
5. P. E. ....Credit	Note: *Science-Biology, Chemistry, or Physics.
6. Forum 12A-12B .....Credit	

CURRICULA

PRE-MEDICAL — LEADING TO M. D. DEGREE

Eleventh Year	Twelfth Year
1. English 11A, 11B.....1 unit	1. English 12A, 12B*.....1 unit
2. Am. Hist. 11A, 11B.....1 unit	2a. Civics, or
3. Spanish 11A, 11B*.....1 unit	2b. Texas History 11B, or
4. Plane Geometry 11A, 11B.....1 unit	2c. Economics 12B, or
5. P. E. ....Credit	2d. Sociology 12B .....1 unit
6. Forum 11A, 11B.....Credit	3. Spanish 12A, 12B .....1 unit
Note: *Students may begin language in tenth grade.	4. Chemistry 11A, 11B.....1 unit
	5. P. E. ....Credit
	6. Forum 12A, 12B.....Credit
	Note: *Substitution may be made on approval of the Dean.
Thirteenth Year	Fourteenth Year
A. English 113, 123 .....6 hrs.	A. English 213, 223.....6 hrs.
B. Biology 113, 123.....6 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, 123, or
E. Chemistry .....8 hrs.	D-2. History 183, 193.....6 hrs.
F. P. E. ....Credit	E. Electives .....9 hrs.
G. Orientation 101A-101B .....1 hr.	

MUSIC—LEADING TO BACHELOR OF MUSIC DEGREE

Eleventh Year	Thirteenth Year
1. English 11A, 11B.....1 unit	A. English 113, 123.....6 hrs.
2. Am. Hist. 11A, 11B.....1 unit	B. Mathematics .....6 hrs.
3. Plane Geometry 11A, 11B.....1 unit	C. History* .....6 hrs.
4. Spanish 11B, 11B.....1 unit	D-1. Science**, or
5. Music .....Credit	D-2. Education 113, 123.....6 or 8 hrs.
6. P. E. ....Credit	E. Music 114 .....4 hrs.
7. Forum 11A, 11B.....Credit	F. P. E. ....Credit
	G. Orientation 101A-101B .....1 hr.
	Note: *History 113-123, History 183, 193, or 133, 143. **Science-Biology, Chemistry, or Physics.
Twelfth Year	Fourteenth Year
1. English 12A, 12B* .....1 unit	A. English 213, 223*.....6 hrs.
2a. Civics 12A, or	B. Government 213, 223**.....6 hrs.
2b. Sociology 12B, or	C. Music .....6 hrs.
2c. Economics 12B, or	D. Electives .....12 hrs.
2d. Texas History 12A.....1 unit	
3. Spanish 12B, 12B.....1 unit	
4. Elective .....1 unit	
5. Music .....Credit	
6. P. E. ....Credit	
7. Forum 12A, 12B.....Credit	
Note: *English 12 may be dropped and another subject elected with approval of the Dean.	Note: *Journalism may be substituted for English 223. **Three hours of Government are required for A. A. diploma.

CURRICULA

HOME ECONOMICS — LEADING TO B. S. DEGREE

Eleventh Year		Twelfth Year	
1. English 11A, 11B.....	1 unit	1. English 12A, 12B.....	1 unit
2. Am. History 11A, 11B.....	1 unit	2. Foreign Language	1 unit
3. Homemaking 11A, 11B.....	1 unit	3. Homemaking 12A, 12B.....	1 unit
4. Plane Geometry 11A, 11B.....	1 unit	4a. Art, or	
5. P. E.	Credit	4b. Social Science	1 unit
6. Forum	Credit	5. P. E.	Credit
		6. Forum 12A, 12B.....	Credit

Thirteenth Year		Fourteenth Year	
A. English 113, 123.....	6 hrs.	A. English 213, 223.....	6 hrs.
B. Chemistry, or Biology.....	6 or 8 hrs.	B. Government 213, 223.....	6 hrs.
C-1. Mathematics, or		C-1. History*, or	
C-2. Foreign Language	6 hrs.	C-2. Economics	6 hrs.
D. Education	6 hrs.	D. Electives	12 hrs.
E. H. Ec.	6 hrs.	E. H. Ec.	6 hrs.
F. P. E.	Credit		
G. Orientation	1 hr.		

Note: *History 113, 123, or History 183, 193, or 133, 143.

PRE-ENGINEERING — LEADING TO B. S. DEGREE

Eleventh Year		Twelfth Year	
1. English 11A, 11B.....	1 unit	1. English 12A, 12B.....	1 unit
2. Am. Hist. 11A, 11B.....	1 unit	2. Public Speaking 11A, 11B.....	1 unit
3. Physics or Chemistry.....	1 unit	3. Physics or Chemistry.....	1 unit
4. Algebra*	1 unit	4a. Solid Geometry and	
5. Mechanical Drawing	1 unit	4b. Trigonometry 12A	½ unit
6. P. E. 11A, 11B.....	Credit	5a. Texas History 11B, or	
7. Forum 11A, 11B.....	Credit	5b. Civics, or	
Note: *Consult tenth grade curricular offerings.		5c. Sociology 12B, or	
		5d. Economics 12B	½ unit
		6. P. E. 12A, 12B.....	Credit
		7. Forum 12A, 12B.....	Credit

Thirteenth Year		Fourteenth Year	
A. English 113, 123.....	6 hrs.	A. English 213, 223.....	6 hrs.
B. Algebra 113	3 hrs.	B. Government 213, 223*.....	6 hrs.
C. Trigonometry 123*	3 hrs.	C. Calculus 214, 224.....	8 hrs.
D. M. D. 112, 121.....	3 hrs.	D. D. Geometry 183 or E. P.....	3 hrs.
E1-. Speech 113, 123, or		E. Physics 184-194	8 hrs.
E 2. History	6 hrs.	F. Electives	2 hrs.
F. Analytics 114	4 hrs.		
G. Chemistry 114, 124.....	8 hrs.		
H. P. E.	Credit		
I. Orientation 101A-101B	1 hr.		

Note: Engineering students take Algebra 113 and Trigonometry 123 during fall term. Note: *Three hours of Government are required for A. A. Diploma.

CURRICULAR

TERMINAL—LEADING TO TERMINAL EDUCATION CERTIFICATE

Eleventh Year		Thirteenth Year	
1. English 11A, 11B.....	1 unit	A. English 113, 153.....	3 hrs.
2. American Hist. 11A, 11B.....	1 unit	B. History or Speech.....	6 hrs.
3. Shop, Commercial, H. E., or Ag. 2 units		C. Shop, Bus. Ed., or Ag.....	12 hrs.
4. P. E.	Credit	D-1. Foreign Language, or	
5. Forum, 11A, 11B.....	Credit	D-2. Mathematics	6 hrs.
		E. Elective	3 hrs.
		F. P. E.	Credit
		G. Orientation 101A, 101B.....	1 hr.

Twelfth Year		Fourteenth Year	
1. English 12A, 12B*.....	1 unit	A. Electives	6 hrs.
2. Mathematics	1 unit	B-1. Science*, or	
3. Shop, Commercial, H. E., or Ag. 2 units		B-2. Education 113 and Psy. 213.....	6 or 8 hrs.
4. P. E.	Credits	C. Industrial Arts, H. Economics, Business Education, or Ag. courses	12 hrs.
5. Forum 12A, 12B.....	Credit	D. History or Government.....	6 hrs.

Note: *Speech may be substituted for English 12. Note: *Science-Biology, Chemistry, or Physics.

GENERAL EDUCATION—LEADING TO TERMINAL EDUCATION CERTIFICATE

Eleventh Year		Thirteenth Year	
1. English 11A, 11B.....	1 unit	1. English 113, 123.....	6 hrs.
2. American History 11A, 11B.....	1 unit	2. History, Speech, or Foreign Language	6 hrs.
3. Electives	2 units	3. Electives	18 hrs.
4. P. E.	Credit	4. O. 101A-101B	1 hr.
Twelfth Year		Fourteenth Year	
1. English 12A, 12B, or Speech.....	1 unit	1. Government 213, 223*.....	3 hrs.
2. Social Science	1 unit	2. Electives	27 hrs.
3. P. E.	Credit		
4. Electives	2 units		

*6 hours recommended.

D. COURSES OFFERED ON THE LOWER DIVISION LEVEL

(Grade 11—Alpha Class; Grade 12—Beta Class.)

Note: Numbers enclosed in brackets [] indicate that beginning course is same for two grades, i.e.; typing 10 (tenth grade student) or typing 11 (eleventh grade student). Credit is given for only one unit. Reference below course is to Texas Education Agency designation, Bulletin 534, Sept., 1952, pp. 36-37.

AGRICULTURE

- Vocational Ag. 10A-10B
(TEA-Ag. I)
- Vocational Ag. 11A-11B
(TEA-Ag. II)
- Vocational Ag. 12A-12B
(TEA-Ag. III)

BUSINESS ADMINISTRATION

- T. 10A-10B [T. 11A-11B]
(TEA-T. I)
- T. 12A-12B (TEA-T. II)
- Bkkg. 11A-11B
- Shd. 12A-12B
- Commercial Geog. 10B
[C. G. 11B]

ENGLISH

- E. 10A-10B (TEA-II)
- E. 11A-11B (TEA-III)
- E. 12A-12B (TEA-IV)
- Speech 11A-11B
[Spch. 10A-10B]
(TEA-Speech I)
- Journalism 11A-11B

FINE ARTS

- Art 10A-10B [Art 11A-11B]
(TEA-Art II)
- Art 12A-12B
- Band 11A-11B (TEA-Band III)
- Band 12A-12B (TEA-Band IV)
- Choir 11A-11B (TEA-MC-III)
- Choir 12A-12B (TEA-MC-IV)
- Piano, Organ, and Harp—
(same as Choir or Band).

FOREIGN LANGUAGE

- Spanish 11A-11B
[Span. 10A-10B]
(TEA-Spanish I)
- Spanish 12A-12B
(TEA-Spanish II)

FORUM (Dept. of Educ.)

- Forum 11A-11B; 12A-12B

HOME ECONOMICS

- H. Ec. 10A-10B
[H. Ec. 11A-11B]
(TEA-HFL II)
- H. Ec. 12A-12B
(TEA-HFL III)
- (Courses begin in 9th grade)

INDUSTRIAL ARTS

- W. W. 11A-11B
[W. W. 10A-10B]
(TEA-SWgw II)
- W. W. 12A-12B
(TEA-SWgw III)
- Auto M. 12A-12B
- Machine Shop 11A-11B
[M. S. 10A-10B]
(TEA-SWms II)
- Mechanical D. 11A-11B
[M. D. 10A-10B]
(TEA-M. D. I)
- Mechanical D. 12A-12B
(TEA-M. D. II)

MATHEMATICS

- Algebra 9A-9B (TEA-Alg. I)
- Algebra 11A-11B
[Alg. 10A-10B]
(TEA-Alg. II)
- P. G. 11A-11B
- Solid G. 12B
- Trigonometry 12A
- Commercial Arith. 10A-10B
- Advanced Arith. 12A
(TEA-AA IV)

PHYSICAL EDUCATION

- P. E. 10, 11, 12 (required)

SCIENCE

- Phy. and Hygiene 10A-10B
(not open to grades 11 or 12)
- Biology 10A-10B
- Chemistry 11A-11B
- Physics 11A-11B

SOCIAL SCIENCE

- H. 11A-11B (American
History)
- TH 11B (Texas History)
- Eco. 12B (Economics)
- Civics 11A (Civics)
- Soc. 12B (Sociology)

E. DESCRIPTION OF COURSES

(LOWER DIVISION)

1. THE DEPARTMENT OF AGRICULTURE

Ag. 10A, 10B. Vocational Agriculture. (Credit: 1½ units.)

Conserving the soil; improving livestock and poultry; improving plants; farm shop; producing a living at home; supervised practice. (This course corresponds to Texas Education Vocational Agriculture I). It is usually taken in the tenth grade.

Ag. 11A, 11B. Vocational Agriculture. (Credit: 1½ units.)

Supervised practice; farm shop; feeding livestock and poultry; controlling insects and diseases of plants; controlling parasites and diseases of animals; growing and harvesting crops; caring for livestock and poultry; and home beautification. (This course corresponds to Texas Education Agency Vocational Agriculture II). Prerequisite: Ag. 10-A and 10-B.

Ag. 12A, 12B. Advanced Vocational Agriculture. (Credit: 1 unit.)

Farm marketing; farm management; home beautification; farm shop; caring for farm equipment; improving pastures; farm and home safety; and supervised practice. (This course corresponds to Texas Education Agency Vocational Agriculture III). Prerequisite: Ag. 10A and 10B.

2. THE DEPARTMENT OF BUSINESS ADMINISTRATION

Shd. 12A-12B. Beginning Shorthand. (Credit: 1 unit.)

Beginning course in principles of the Gregg System. This course deals with the principles of shorthand with drills of outlines and phrase forms: the study of phrasing, dictation, and transcription with minimum dictation speed of 80 words per minute by the end of the second semester. Five hours per week.

Bkkg. 11A-11B. Bookkeeping. (Credit: 1 unit.)

Fundamentals of bookkeeping theory and practice in relation to single proprietorship. The analysis and record of business transaction; a study of the bookkeeping equation, business papers, ledgers, books of original entry, classification and interpretation of accounts, and financial statements. Three hours lecture and two hours laboratory per week.

T. 11A-11B. Typewriting. (Credit: 1 unit.)

A beginner's course in typewriting. Development of keyboard control and manipulation of machine parts. Special effort is made to develop usable skills in personal and vocational typing. Emphasis is placed on letter styles, tabulation procedures, manuscript typing, and personal typing problems. A minimum of 30 net words is required at end of the course.

TYPING 12A-12B. Advanced Typing. (Credit: 1 unit)

A continuation of Typing 11A-11B. Review of typing principles with special effort being made to develop usable skills in industry. Emphasis on office typing problems including office forms, legal documents, tabulated reports. A minimum of 50 net words is to be maintained. Prerequisite: Typing 11A and 11B.

3. THE DEPARTMENT OF EDUCATION

For. 11A-11B. Forum Series in Life Adjustment. (Credit: additional.)

For. 12A-12B. Forum Series in Life Adjustment. (Credit: additional.)

4. THE DEPARTMENT OF ENGLISH

English

E. 11A. American Literature. (Credit: ½ unit.)

English 11A includes a chronological survey of the development of American literature with readings from the major authors. Literature of the 20th century will be studied by types.

E. 11B. English Grammar. (Credit: ½ unit.)

English 11B stresses drill in spelling, capitalization, punctuation; functional grammar; word usage, effective sentences and paragraphs, notetaking; outlining; oral discussion and reports; evaluation of books, magazines, and movies; and letter-writing.

E. 12A. English Literature. (Credit: ½ unit.)

English 12A consists of a chronological study of English literature with emphasis on the close relation between England and America and on the ideals we have inherited from the English people. Selections by outstanding authors are read for appreciation.

E. 12B. English Grammar. (Credit: ½ unit.)

English 12B gives practice in communication skills: oral communication consisting of reports, panel discussions, personal interviews, written communication including paragraphs, informal themes, research themes, letters, creative writing, vocational themes; listening skills developed by reports on radio

programs, sermons, literature read in class; reading in library for themes and book reports. Review of functional grammar stressing current usage, sentence craftsmanship, enrichment of vocabulary, spelling, capitalization and punctuation.

Speech

Sp. 11A. Beginning Speech. (Credit: ½ units.)

A study of basic speech principles including the need and uses of speech study, exercises in improving conversational abilities, making personal adjustments, use of body in expression of ideas and feelings, vocal techniques, and an introduction to speech composition.

Sp. 11B. Beginning Speech. Credit: ½ unit.)

Study of speech arts—Conversation, forums, group discussions, public speeches, debates, and interpretation of literature.

Journalism

J. 11A-11B. Journalism. (Credit: 1 unit.)

This course is designed for high school students who wish to become familiar with newspaper procedure. The course of study includes news, feature and editorial writing, copyreading, and paper make-up. Course runs for thirty-six weeks.

5. THE DEPARTMENT OF FINE ARTS

ART

Art 11A-11B. High School Art. (Credit: 1 unit.)

A two-semester course stressing the recognition of the relationships of space and mass, the manipulations of color and selected color theories, and the organization of pictorial compositions. Topics: still life; landscape sketching; figure drawing; perspective; posters; and color. Five periods per week for 36 weeks.

Art 12A-12B. High School Art. (Credit: 1 unit.)

A two-semester course designed to increase skill and pleasure in creative drawing, to improve judgment of art forms, and to develop skills involved in certain crafts. Topics: sketching; figure drawing; one piece metal problems; weaving; mask making ceramics; block printing; glass etching; tie dye; batik; puppetry; leather tooling; textile designing. Five periods per week for 36 weeks. Prerequisite: Art 11A-11B.

MUSIC

Band 11 and 12. College Band For Lower Division Students. (Credit: 2 units.)

The Alvin Junior College Band functions as the official band for the College. Tryouts are held for placement in either "A" or "B" band. Required of all band instruments majors. Rehearsals: 1 hour daily plus scheduled marching and weekly technique classes. Class meets five days per week. Credit is given in the eleventh or twelfth grades or both.

Technique classes are organized and special instruction is given to students who are approved for such instruction by the Band Director. See references to special instruction under "upper division."

Piano, harp, and organ may be elected by students in the lower division of Alvin Junior College with the approval of the Head of the Fine Arts Department.

Choir 11-12 may be elected by students of the lower division of the College with the approval of the Director of the Choir.

6. THE DEPARTMENT OF FOREIGN LANGUAGE

Span. 11A-11B. First Year Spanish. (Credit: 1 unit.)

Introduction to Spanish language, customs, and geography. Simple grammatical constructions.

Span. 12A-12B. Second Year Spanish. (Credit: 1 unit.)

Continued study of cultural material based on Latin American countries, with more complex grammatical and reading material. Conversation and records. Prerequisite: Span. 11A-11B.

7. THE DEPARTMENT OF HOME ECONOMICS

The subject matter of all homemaking courses are based on the needs of the students as they come into these classes. The following descriptions are generally followed:

H. Ec. 11A. General Homemaking. (Credit: 1/2 unit.)

The wise selection of food; good manners and courtesy; marketing; and preparing and serving meals. Also, family relationship, child care and related subjects.

H. Ec. 11B. General Homemaking. (Credit: 1/2 unit.)

Construction, selection, and care of clothing; consumer buying; home improvement, decoration, appreciation and care of the home. (If taken in the tenth grade, register for H. M. 10A, 10B.)

H. Ec. 12A. Advanced General Homemaking. (Credit: 1/2 unit.)

Nutrition and foods for special occasions; a study of table service; linens and silver; food preservation, canning, and deep freeze; a study of family relationship and child care.

H. Ec. 12B. Advanced General Homemaking. (Credit: 1/2 unit.)

A more advanced course in clothing construction and clothing renovation. A study of ready-made clothing and accessories. Class meets for 18 weeks.

H. C. 11A. Home Care of the Sick. (Credit: 1/2 unit.)

To provide information and practice for care of the sick at home, including how to recognize symptoms of illness; how to carry out doctor's orders; giving simple treatments; making patient comfortable; and preventing the spread of communicable diseases. This Red Cross course continues with mother and baby care and family health.

F. L. 11B. Family Living and Child Development. (Credit: 1/2 unit.)

This course deals with helping students to recognize and understand their personal problems and to learn more about child development. An attempt is made to guide students to appreciate and strive toward adjustments necessary for a satisfactory life. Class meets for 18 weeks, or the equivalent.

8. THE DEPARTMENT OF INDUSTRIAL ARTS

W. W. 11A. Beginning Woodworking. (Credit: 1/2 unit.)

A course dealing with related information, fundamental processes, materials and hand tools of beginning woodwork by making small useful things of wood by hand; followed by instruction on basic woodworking machines. Meets one hour per day, five days per week. For students in the tenth, eleventh, and

twelfth grades. Prerequisite: General Shop, unless the student is in the twelfth grade.

W. W. 11B. Beginning Woodworking. (Credit: $\frac{1}{2}$ unit.)

A continuation of W. W. 11A, with more emphasis on skill, construction methods, and woodworking machines. Each student will construct a useful piece of furniture with machines. Meets same as W. W. 11A. For students in tenth, eleventh, and twelfth grades. Prerequisite: W. W. 11A, or equivalent.

W. W. 12A-12B. Advanced Woodworking. (Credit: 1 unit.)

A continuation of W. W. 11A-11B, with greater emphasis placed on skill, theory of design, construction details, and advanced machine work. Each student will design and construct a major piece of furniture each semester. For all students in eleventh and twelfth grades. Meets one hour per day, five days per week. Prerequisite: W. W. 11A-11B.

A. Mech. 12A-12B. Auto Mechanics. (Credit: 1 unit.)

A course for the purpose of acquainting the student with the fundamentals of operation, maintenance, care, and safety of the chassis units of automobiles and commercial vehicles. Meets one hour per day, five days per week. For twelfth grade students, but eleventh grade students accepted if enrollment permits. Prerequisite: None.

M. S. 11A-11B. Machine Shop. (Credit: 1 unit.)

A basic course in general machine shop practice with units of work designed to exercise the student's acquired knowledge of hand tool identification, care and operation, followed by exercises and projects in grinding, drilling, lathe operation and tap and die work.

M. D. 11A-11B. Mechanical Drawing. (Credit: 1 unit.)

A course in general drawing involving freehand sketching, instrument use and care in making orthographic pictorial primary Auxiliary, section and working drawings. If students take course in tenth grade register for M. D. 10A-10B.

M. D. 12A-12B. Mechanical Drawing. (Credit: 1 unit.)

General machine drawing involving freehand lettering and instrument practice in the drawing and design of machine parts to finished working drawings.

9. THE DEPARTMENT OF MATHEMATICS

Alg. 9A-9B. Algebra. (Credit: 1 unit)

The fundamental operations, factoring, fractions, simple linear, and quadratic equations.

Alg. 11A-11B. Algebra. (Credit: 1 unit.)

This course includes the fundamental principles of algebra, linear equations, factors and special products, fractions and fractional equations, quadratic equations, radicals, logarithms, binomial theorem.

P. G. 11A-11B. Plane Geometry. (Credit: 1 unit.)

A study of lines, triangles, circles, polygons, similar figures, areas and their applications, limits and loci.

S. G. 12B. Solid Geometry. (Credit: $\frac{1}{2}$ unit.)

A study of parallel and perpendicular lines and planes, dihedral and polyhedral angles, locus, projections, polyhedrons, cylinders, cones, and spheres.

Trig. 12A. Trigonometry. (Credit: $\frac{1}{2}$ unit.)

This course includes a study of the trigonometric functions, right triangles, logarithms, identities, variation and graphs, functions of a composite angle, oblique triangles.

C. A. 10A-10B. Commercial Arithmetic. (Credit: 1 unit.)

A course in the mathematics of business. It is recommended that this course precede bookkeeping 11A-11B.

Arith. 12A-12B. Advanced Arithmetic. (Credit: 1 unit.)

A course dealing with practical business problems that affect each individual, as insurance, taxes, interest, and discounts.

10. THE DEPARTMENT OF PHYSICAL EDUCATION

Note: Courses are given for all students in the eleventh and twelfth grades in physical education. Classes are taught for both boys and girls by specially trained instructors selected for their fitness in this program.

In addition to the regularly scheduled physical education classes, intramural games as well as athletic teams in football, basketball, tennis, track, and baseball are organized each year. Students should consult the Director of Physical Education at the beginning of the term for additional information.

11. THE DEPARTMENT OF SCIENCE

BIOLOGY

Bio. 10A-10B. **Introductory General Biology.** (Credit: 1 unit.)

An introductory course in biological science dealing with the life processes, organization, and structure of plants and animals. The first semester is devoted to the study of animals with relation to their structure adaptations, classification, life processes, and economic importance. The second semester is devoted to the study of plants on the same basis as animals studied during the first semester. Prerequisite: None.

P. 10A-10B. **Physiology and Hygiene.** (Credit: 1 unit.)

An introductory course in the care, life processes, and structure of the human body. The first semester includes the gross and microscopic study of the organ systems of the body. The second semester is devoted to the organ systems of the body with emphasis on their physiological processes. Body care, diseases, public health, sanitation and other factors pertaining to hygiene will also be considered. Prerequisites: None.

PHYSICS

Phy. 11A-11B. **Introductory General Physics.** (Credit: 1 unit.)

A general introductory course dealing with the basic laws, principles, and applications of physics. The first semester involves a study of mechanics, properties of matter, and heat. The second semester is devoted to a study of sound, light, electricity and magnetism. Three lectures and two laboratory hours per week. Prerequisite: Eleventh or twelfth grade status and credit for or concurrent registration in Algebra 11.

CHEMISTRY

Chem. 11A-11B. **Introductory General Chemistry.** (Credit: 1 unit.)

A general introductory course dealing with the fundamental phenomena and principles of chemistry. The first semester in-

volves a study of the atomic-molecular theory, valence, formulae, chemical equations and solutions. The second semester is devoted to a study of several common elements of each periodic group, and an introduction to qualitative analysis, using macro techniques in the laboratory. Three lectures and two laboratory hours per week. Prerequisite: Eleventh or twelfth grade status and credit for or concurrent registration in Algebra 11.

12. THE DEPARTMENT OF SOCIAL SCIENCE

HISTORY

H. 11A-11B. **American History.** (Credit: 1 unit.)

This course provides a comprehensive study of the American heritage, of our ideals, and the means by which these can be preserved and extended. The economic, political, and social issues faced by the U. S. and the world are the chief problems of the course, which is intended to help prepare students for democratic living in the school, the home, the nation, and in world society.

Required of all eleventh grade students toward graduation.

T. H. 11B. **Texas History.** (Credit: ½ unit.)

The history of Texas is varied and fascinating. Beginning with the colorful days of Spanish civilization, the development of the state is brought up to its present stages of agricultural and industrial enterprise. Prerequisite: H. 11A.

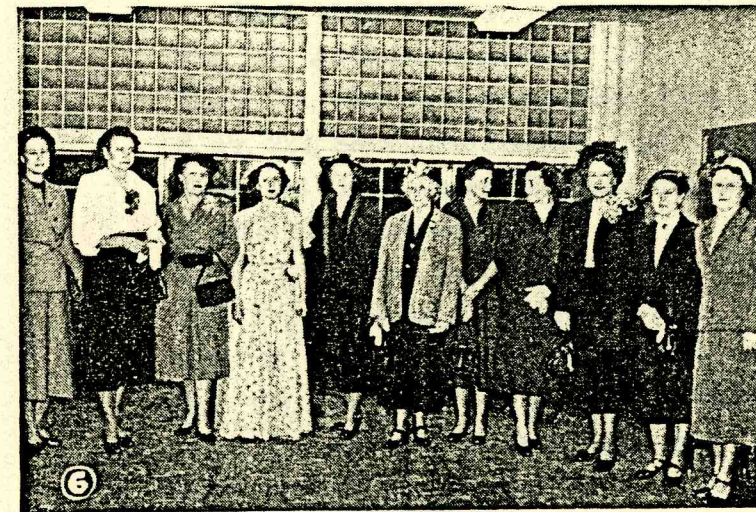
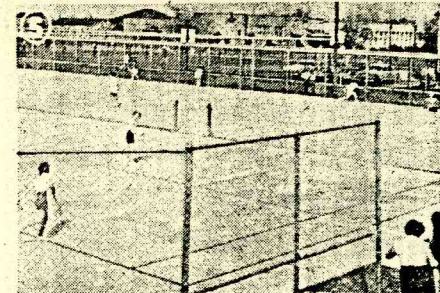
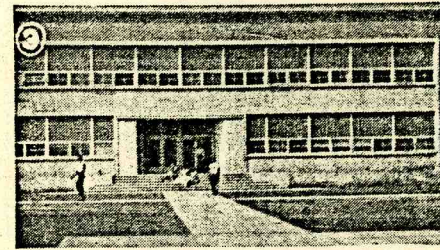
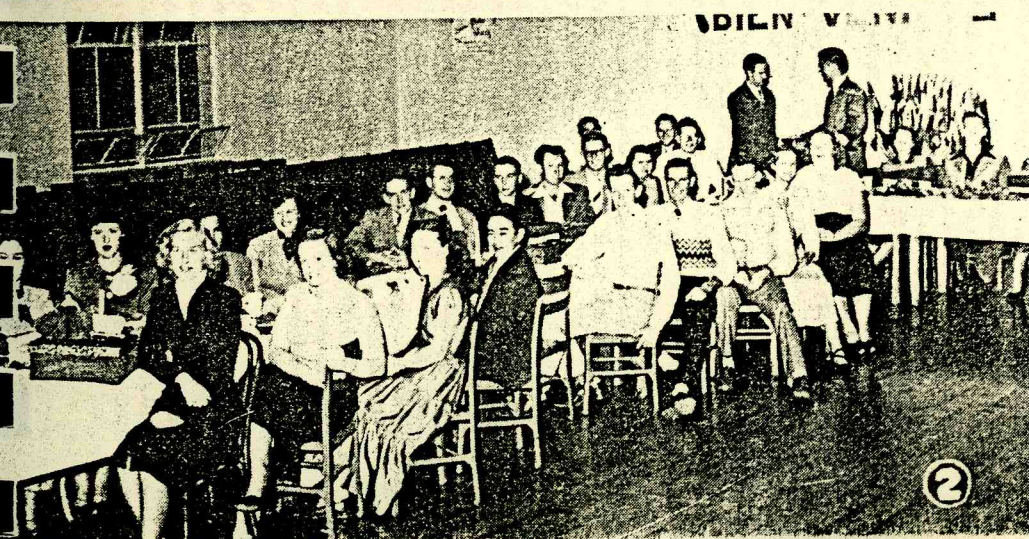
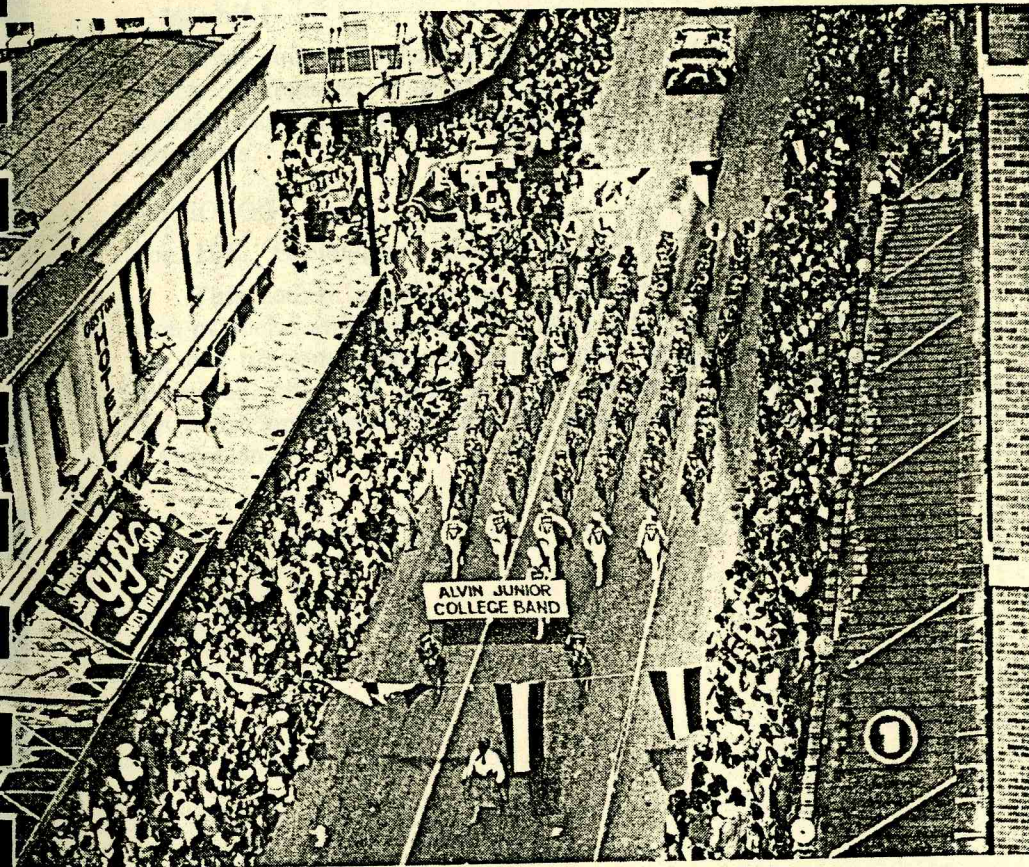
ECONOMICS

Eco. 12B. **Economics.** (Credit: ½ unit.)

This elective course is planned especially for lower division majors in social science.

This course provides a survey of the basic facts and principles of modern American business organization. Emphasis is given to productive, exchange, and marketing agencies.

College Activities



1. The College Band on parade in San Antonio.
2. The Pan American Student Forum entertains guests from Peru, Costa Rica, and Nicaragua.
3. The entrance to the junior college building.
4. Adults profit from instruction in evening school.
5. Alvin wins district tennis match.
6. Students in adult education class model suits and dresses made in class.
7. Young men working in college shop.

GOVERNMENT

Civics 11A. Civics for Secondary School Students. (Credits: $\frac{1}{2}$ unit.)

This course is elective and limited to 11 or 12 grades. The course is devoted to a study of national origins, the Federal Constitution and principal features of national and Texas governments.

SOCIOLOGY

Soc. 12B. Sociology. (Credit: $\frac{1}{2}$ unit.)

This course provides an opportunity for study and discussion of social and personal problems affecting the student, growing out of home and community life. Each student makes an individual study of himself in connection with the family unit, his behavior in society, and his selection of and adjustment to a vocation.

F. COURSES OFFERED ON THE UPPER DIVISION LEVEL

(Grade 13—Gamma Class; Grade 14—Delta Class)

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.

AGRICULTURE

Ag. 113, General Animal Husbandry. (3-2)

Ag. 123, Fundamentals of Crop Production. (3-2)

BUSINESS ADMINISTRATION AND BUSINESS EDUCATION

T. 153 (113), Beginning Typing. (2-2)

T. 162, Intermediate Typing for Adult Students. (2-1)

T. 163 (123), Intermediate Typing. (2-2)

T. 273 (213), Advanced Typing. (3-0)

Shd. 153, 163 (113-123), Beginning and Intermediate Shorthand. (2-3)

Shd. 213, Advanced Shorthand. (3-0)

Mach. 182, 192, Business Machines. (2-0)

S. Pr. 223, Secretarial Practice. (2-2)

G. M. 153 (113), General Business Mathematics. (3-0)

B. Eng. 153, Business English. (3-0)

Law 163, Business Law. (3-0)

Acc. 153, Elementary Accounting. (2-2)

Acc. 163, Elementary Accounting. (2-2)

Acc. 173, Tax and Payroll Accounting. (3-0)

Math. 193, Mathematics of Finance. (3-0)

B. A. 214-224, Accounting. (3-3)

Acc. 233 (223), Cost Accounting. (3-0)

Bkkg. 173, Elements of Bookkeeping. (3-0)

DEPARTMENT OF EDUCATION AND PSYCHOLOGY

Ed. 113, Introduction to Educational Psychology. (3-0)

Ed. 123, 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. 101A-101B, College Orientation. (1-0)
Ed. 183 (233), Health Education. (3-0)
Ed. 223, The Elementary School Child. (3-0)

DEPARTMENT OF ENGLISH

E. 113, Composition and Rhetoric. (3-0)
E. 123, Composition and Rhetoric. (3-0)
E. 213, Survey of Literature, Part I. (3-0)
E. 223, Survey of Literature, Part II. (3-0)
S. 113, 123, Fundamentals of Speech. (3-0)
S. 181, Theatre Activities. (1-2)
S. 191, Forensic Activities. (1-2)
J. 113, Introduction to Journalism. (2-2)
J. 123, Writing and Reporting. (1-5)
J. 153, News Reporting. (2-2)
Dr. 183, Dramatic Arts. (3-0)

DEPARTMENT OF FINE ARTS

Mu. 114-124, Harmony and Ear Training. (5-0)
A.M. 111 or 121, 211 or 221, Applied Music. (1-0)
A.M. 112, 122, 212, 222, Applied Music. (2-0)
A.M. 113, 123, 213, 223, Applied Music. (3-0)
Mu. 112S, Study of Strings. (1-2)
Mu. 122B, Study of Percussion. (1-2)
Mu. 112R, 182R, Study of Reeds. (1-2)
Mu. 192Br, Study of Brasses. (1-2)
Harp 112, 122, Study for Harp Majors.
Choir 111, 121, 211, 221, A Cappella Choir. (1-2)
Choir 112, 122, 212, 222, A Cappella Choir. (3-2)
Piano 112, 122, Study for Piano Majors. (2-0)

Mu. 112, 122, Dance Band. (1-2)
Mu. 113, 123, Music Appreciation. (3-0)
Piano 212, 222, Study for Piano Majors. (2-0)
Organ 112, 122, Study for Organ Majors. (2-0)
Organ 212, 222, Study for Organ Majors. (2-0)
Harp 212, 222, Study for Harp Majors. (2-0)
Cl. 113, 123, 213, 223, Study of Clarinet. (3-0)
Band 111, 121, 211, 221, College Band. (1-4)
Art 113-123, Design. (3-3)
D.P. 213, 223, Drawing and Painting. (3-3)
C.A. 153, Commercial Art. (2-4)
Art 163, Interior Design. (2-4)
Art 183, 193, Art for Elementary Teachers. (2-4)
Art 233, 243, Pictorial Composition. (3-3)
F.P. 133A-133B, Freehand Perspective. (1-2)
A.P. 253, 263, Advanced Painting. (3-3)

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.R. 133, Family Relations. (3-0)

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)
M.S. 153, 163, Machine Shop. (1-4)
M.S. 183, Advanced Machine Shop. (1-4)
M.S. 194, Problems In Machine Shop. (1-4)
M.D. 113, Mechanical Drawing. (3-6)

DEPARTMENT OF FOREIGN LANGUAGE

Span. 153, 163, Elementary College Spanish. (3-0)
Span. 114, 124, Beginners' Spanish. (3-2)
Span. 113-123, Spanish Grammar and Composition. (3-0)
Fr. 153-163, Elementary French. (3-0)
Fr. 113-123, French Composition and Grammar. (3-0)

DEPARTMENT OF MATHEMATICS

- Alg. 113, College Algebra for Engineers. (3-0)
- Trig. 123, Plane Trigonometry. (3-0)
- An. 114, Analytic Geometry. (4-0)
- Cal. 214, Differential Calculus. (3-2)
- Cal. 224, Integral Calculus. (3-2)
- Alg. 133, College Algebra. (3-0)
- E.P. 113, Engineering Problems. (2-2)

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. 231-231, Advanced Physical Education for Men. (1-1)

DEPARTMENT OF SCIENCE

- B. 104, Survey of Biology. (3-3)
- B. 113-123, General College Biology. (3-3)
- Chem. 114-124, General Inorganic Chemistry. (3-4)
- Chem. 113-123, General Chemistry. (3-3)
- Phy. 184-194, General Physics. (3-4)

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. 193 (223), The United States Since 1865. (3-0)
- H. 204, History of Texas to 1874. (4-0)
- H. 163, Current History and Public Affairs. (3-0)
- Govt. 213, American National Government. (3-0)
- Govt. 223, American State Government. (3-0)
- Govt. 233, Constitutions. (3-0)
- Eco. 213, Principles of Economics. (3-0)
- Eco. 223, Economic Problems. (3-0)

G. DESCRIPTION OF COURSES

(UPPER DIVISION)*

1. THE DEPARTMENT OF AGRICULTURE

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

An introductory survey course intended to acquaint the student with the importance of livestock and livestock farming in the United States and Texas. A study of the types and breeds; market classes and grades of such animals as beef cattle, swine, goats, horses, and mules; attention will be given to breeding, judging, care and management.

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

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.

*Note that all courses, their titles, and the hours of lecture and laboratory are listed, beginning on page 47.

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.

Two hours of lecture and two hours of practice per week.

T. 162. Intermediate Typing for Adult Students. (Credit: 2½ 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 two hours per week for instruction and in addition, each member must spend at least one hour on laboratory work. Prerequisite: Typing skill of at least 20 words per minute or T. 153.

T. 163 (123). Intermediate Typing. (Credit: 3 semester hours.)

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

T. 273 (213). 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 and 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-laboratory and three practice 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.

Shorthand 213. 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 and practice. Prerequisite: Shd. 153-163 or their equivalent.

Mach. 182 (212), 192. Business Machines. (Credit: 2 or 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 thirteenth grade students with consent of the instructor.

S. Pr. 223. 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.

Bkkg. 173. Elements of Bookkeeping. (Credit: 3 semester hours.)

Journalizing, posting, adjusting and closing entries, work sheet, and financial statements. Prerequisite for accounting for those students who have not had previous bookkeeping knowledge. Three hours per week for 18 weeks.

G. M. 153 (113). General Business Mathematics. (Credit: 3 semester hours.)

Rapid review of business arithmetic, fundamental processes; application to business in general. Study of payrolls, trade and cash discount, profit and loss, simple interest, bank discount, depreciation, social security, taxes. Three lecture hours per week for 18 weeks.

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

Basic principles of finance, developed from an algebraic standpoint. Simple interest and bank discount, review of algebraic fundamentals necessary to problem solution, arithmetic progressions and short-term installment buying, logarithms, geometric progressions and their application to compound interest problems, annuities, sinking funds, amortization, long-term installment buying, bonds, and annuities due. Emphasizes practical aspects of mathematics. May be taken in place of trigonometry by students who desire no further course in mathematics. Three hours per week for 18 weeks. Prerequisite: Algebra 113 or consent of the instructor.

B. Eng. 153. 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.

Law 163. Business Law. (Credit: 3 semester hours.)

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

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

This course is open to thirteenth grade students. Accounting 153-163 may be substituted for Accounting 214. Fundamentals of accounting theory and practice in relation to single proprietorships. Application of principles by problems and practice set. Students desiring to transfer college credit should register for Acc. 224. 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. 173. Tax and Payroll Accounting. (Credit: 3 semester hours.)

Social security taxes, unemployment compensation, federal and state returns, recording of payments. Three hours per week for 18 weeks. Prerequisite: Consent of instructor.

B. A. 214-224. Accounting. (Credit: 8 semester hours.)

This course is designed to meet the requirements of business administration majors who plan to transfer work to a senior college. The analysis and recording of business transactions; a study of the accounting equation, business papers, ledgers, books of original entry, classification and interpretation of accounts and financial statements, adjusting and closing entries, sole proprietorship and partnership accounting; and simple corporation accounting. Six hours of lecture and laboratory per week for thirty-six weeks. Prerequisite: Fourteenth grade standing.

Acc. 233 (223) Cost Accounting. (Credit: 3 semester hours.)

An introductory course, emphasizing the accounting for materials, labor and manufacturing expenses. Special attention to procuring, pricing, storing, issuing, and inventorying of materials; labor cost, wage plans, and social security taxes. Three hours lecture and laboratory. Prerequisite: Accounting 153-163 or 214.

3. THE DEPARTMENT OF EDUCATION AND PSYCHOLOGY

Ed. 113. Introduction to Educational Psychology. (Credit: 3 semester hours.)

A course dealing with the applications 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. Open to thirteenth grade students.

Ed. 123. Methods in Elementary School Subjects. (Credit: 3 semester hours.)

A course dealing with the aims and procedures in teaching the subjects of the elementary curriculum. Prerequisite: Education 113.

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: Delta standing. (14 grade).

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 Delta 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: Delta standing.

O. 101A-101B. College Orientation. (Credit: 1 semester hour.)

Required of all 13th year students. 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: 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.

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: Delta standing and Education 113.

Ed. 233. The Elementary School Child. (Credit: 3 semester hours.)

Principles underlying the development of the elementary school child. This course will emphasize physiological, 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. 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.

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 Delta standing.

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

This course is a continuation of English 213. The study includes symbolistic, 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.

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 lower division Speech before entering this college course.

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. 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. With permission, the students may work on *The Clarion*.

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 and 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 113-123. **Design.** (Credit: 6 semester hours.)

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. Course runs for full 36 weeks.

C. A. 153. **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 with laboratory practice in utilizing them in a classroom teaching situation. No prerequisite. Two hours lecture and four hours laboratory per week for 36 weeks.

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

A laboratory course in oil painting. Class will meet for six 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.

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. Three hours 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.

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. 112R-182R. **Study of Reeds.** (Credits: 4 semester hours.)

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 Cornet, French Horn, Baritone, and Bass. (Credit: 2 semester hours.)

Attainment of fundamental playing on each instrument named above.

Piano 112, 122. Study for Piano Majors. (Credit: 4 semester hours.)

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

Piano 212, 222. Study for Piano Majors. (Credit: 4 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 112 and 122.

Organ 112, 122. Study for Organ Majors. (Credit: 2 semester hours each).

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

Organ 212, 222. Study for Organ Majors. (Credit: 2 semester hours each).

For organ majors. Classical compositions; improvisation, modulation, and sight reading. Compositions by Franck, Mendelssohn, and Bach.

Organ majors will take two lessons per week with a minimum of three hours practice per day.

Harp 112, 122. Study for Harp Majors. (Credit: 2 semester hours each).

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

Harp 212, 222. Study for Harp Majors. (Credit: 4 semester hours).

For harp majors. Etudes by Hasselmans and Bochsa; pieces by Pierne, Tournier, Hasselmans and Grandjany.

Harp majors will take two lessons per week with a minimum of three hours practice per day. Prerequisite: Harp 112, 122.

Band 111, 121, 211, 221. College Band. (Credit: 1 semester hour each).

Alvin Junior College Band functions as the official band for the Alvin Junior College. Tryouts are held for placement in either "A" or "B" band. Required of all band instrument majors without credit. Rehearsals: 1 hour daily, plus scheduled marching, and weekly technique classes.

Choir 112, 122. 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.

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 all ensemble music courses to count toward a degree or diploma. Three hours per week plus rehearsals.

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

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. Food 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.R. 133. Family Relations. (Credit: 3 semester hours.)

This course covers the relations of various members of the family to each other and the problems which arise from their relationships. Also deals with management problems related to family and social life.

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: finishing 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.

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.

M. S. 153 (113), 163 (123). Machine Shop. (Credit: 6 semester hours).

A course in general machine shop practice with units of work designed to develop more efficiently the student's skills in machine tool processes involving: grinding, drilling, lathe operation, shaper operation, and basic work on milling machine. Class meets for 1 theory and 4 laboratory hours per week.

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

Student project experiences in this course affords typical machine operations in sequence involving grinding, lathe work, drilling, shaper work, milling machine work and heat treating. Prerequisite: Shop experience preferred.

M. S. 194. Problems in Machine Shop. (Credit: 4 semester hours.)

With aid of instructor, the student selects special projects involving machine shop experiences gained in prior machine shop courses to further his ability as a learner in industry or production work. Prerequisite; Machine Shop 11A-11B, or M. S. 183.

M. D. 113. Mechanical 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 per week.

M. D. 112-121. Mechanical Drawing. (Credit: 3 semester hours.)

Same course as Mechanical 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 (213). 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, intersectionale and developed surfaces; auxiliary views; shade shadow, and perspective. Three lectures and six hours of supervised problem work per week. Prerequisite: Mechanical Drawing and entrance credit for Solid Geometry.

9. THE DEPARTMENT OF MATHEMATICS

Alg. 133. College Algebra. (Credit: 3 semester hours.)

This college algebra course is for non-science majors, primarily. Factoring, fractions, linear equations in one unknown, graphs, systems of linear equations, exponents, and radicals, quadratic equations, and ratio. (Corresponds to A & M College's Alg. 101.) Three hours per week for 18 weeks.

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

A review of the fundamental operations of algebra, followed by a study of quadratic equations, exponents and radicals, proportion, progression, mathematic induction and binomial theorem, elementary theory of equations, determinants, complex numbers, and partial fractions.

E. P. 113. Engineering Problems. (Credit: 3 semester hours.)

This is a course for pre-engineers. It is designed to introduce the student to elementary problems from all fields of engineering. Particular emphasis will be placed upon learning to manipulate the slide rule with speed and accuracy. Two hours of lecture and two hours of laboratory work per week for 18 weeks.

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: Mathematics 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. 214. **Differential Calculus.** (Credit: 4 semester hours.)

This course is designed to teach the elementary principles of differential calculus and their application. A study of variations of functions with respect to changes in the independent variables by means of the concepts of the derivative and differential, the application of this theory to the slopes of curves, non-uniform velocities, accelerations, forces and approximations of maxima and minima values of functions. Prerequisite: Analytics 114. Class meets 5 hours per week.

Cal. 224. **Integral Calculus.** (Credit: 4 semester hours.)

A study of integrations and their application to finding areas, volumes, centroids, equations of curves and solution of differential equations. Prerequisite: Cal. 214. Class meets 5 hours per week for 18 weeks.

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

P.E. 211, 221. **P.E. for Fourteenth Grade Women Students.** (Credit: 1 semester hour each term.)

This course in physical education is designed to follow the training received in the 13th grade for women students. Two hours per week for eighteen weeks. Each course carries 1 hour credit per semester.

P.E. 231-241. **P.E. for Fourteenth Grade Men Students.** (Credit: 1 semester hour each term.)

This course is similar to P.E. 211, 221, except that it is for men students.

11. THE DEPARTMENT OF SCIENCE

PHYSICS

Phy. 184-194. **General Physics.** (Credit: 8 semester hours.)

A technical course in general physics based upon and an extension of Physics 12A-12B. Emphasis is placed on problem solving and report writing. The first semester is devoted to a detailed study of those basic principles in mechanics and heat which could not be treated thoroughly in Physics 12A. The second semester's work consists of a detailed study of those basic principles in sound, light, electricity and magnetism which could not be treated sufficiently in Physics 12B. Three lectures and four laboratory hours per week. Prerequisite: Physics 12A-12B or the equivalent, Mathematics 113 and 123, and enrollment in Mathematics 214 or consent of department.

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 Chemistry 11A-11B. Emphasis is placed on chemical mathematics and report writing. The first semester is devoted to a comprehensive review and extension 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: Chemistry 11A-11B 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 three hours of laboratory per week. Prerequisite: Gamma class status.

BIOLOGY

Bio. 113-123. **General Biology.** (Credit: 6 semester hours.)

A technical course in general biology based upon and an extension of Bio. 11. The first semester includes a systematic survey of the animal kingdom with emphasis on the anatomy and physiology of the vertebrates. The use of the microscope, drawing technique, dissection technique, and organization of materials are stressed. The identification of local fauna is also considered. The second semester is devoted to the study of the plant kingdom with emphasis on the structure, physiology, and identification of local flora. Prerequisite: Bio. 11, or the equivalent, or consent of the department. Three hours of lecture and three hours of laboratory per week.

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

This is a general course 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 B. 113 and 104. Three lecture and three laboratory hours per week for 18 weeks.

12. THE DEPARTMENT OF SOCIAL SCIENCE

HISTORY

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

History of Western Civilization is a six-semester-hour course extending throughout 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 (213). **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 some senior colleges in Texas.

H. 193 (223). **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 some senior 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. Prerequisite: History 11.

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 fields in the Americas. Three hours per week for 18 weeks. Prerequisite: History 11 and, preferably, H. 133.

H. 163. **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. 204. **History of Texas to 1874.** (Credit: 4 semester hours.)

This is a specialized course in the history of Texas. Students will be expected to write several short term papers correctly, complete a long research paper, and pass a comprehensive examination over the material covered. Topics covered include: Spanish occupation; colonization; revolution; the Republic; annexation; the War Between the States; and the return of Texas to "democratic forces." This course will count, in all probability, three hours on transfer, since it includes all of History 320L, but only part of History 320M, University of Texas departmental offerings. Three lecture and 1 quiz period per week for 18 weeks. Prerequisite: Delta class standing (14 grade) or classification as veteran student.

GOVERNMENT

Govt. 213. **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: Delta class standing (14 grade).

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

A study of the structure and functions of state governments with special emphasis on Texas government. Also includes: studies of city government, county government, and political party organization and function as they are found in Texas; the participation of government, both federal and state, in the fields of business, labor, agriculture, social welfare, etc. Three hours per week for 18 weeks. Prerequisite: Delta class 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: Delta 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.

Eco. 213. 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 capitalistic economy; industrial and business organizations; money and credit; price; wages; interest; profit. Prerequisite: Delta standing.

Eco. 223. 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 213 are recommended for those who plan degrees leading to law, teaching, and business administration. Prerequisite: Economics 213 and Delta standing.

IV. 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 conducive to an 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. The day program is tuition free to those students who live in the college district.

Tuition for academic work done during the evening hours is \$4.00 per semester hour or any fraction thereof, with a maximum of \$25.00 per term of 18 weeks regardless of the number of semester hours. It is advised, however, that students with full time employment not carry more than six semester hours of work per term. Grades for the evening classes are issued at the end of the term.

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

Academic courses suggested as having especial interest to adult students include:

Acc. 153. Beginning Accounting. (Credit: 3 semester hours.) Described in general catalogue.

Acc. 163. Intermediate Accounting. (Credit: 3 semester hours.) Described in general catalogue.

Acc. 173. Tax and Payroll Accounting. (Credit: 3 semester hours.) Described in general catalogue.

C. A. 153. Commercial Art. (Credit: 3 semester hours.) Described in general catalogue.

Art. 113-123. Design. (Credit: 6 semester hours.) Described in general catalogue.

D. P. 213, 223. Drawing and Painting. (Credit: 3 semester hours each.) Described in general catalogue.

Art. 163. Interior Design. (Credit: 3 semester hours.) Described in general catalogue.

Art. 233, 243. Pictorial Composition. (Credit: 3 semester hours each.) Described in general catalogue.

B. Eng. 153. Business English. (Credit: 3 semester hours.) Described in general catalogue.

Mach. 182, 192. Business Machines. (Credit: 2 semester hours each.) Described in general catalogue.

Law. 163. Business Law. (Credit: 3 semester hours.) Described in general catalogue.

G. M. 153. General Business Mathematics. (Credit: 3 semester hours.) Described in general catalogue.

Dr. 183. Dramatic Art. (Credit: 3 semester hours.) Described in general catalogue.

Eco. 153. Consumer Economics. (Credit: 3 semester hours.) Described in general catalogue.

E. 113, 123. Composition and Rhetoric. (Credit: 3 semester hours each.) Described in general catalogue.

F. R. 133. Family Relations. (Credit: 3 semester hours.) Described in general catalogue.

Govt. 213. American National Government — United States Government. (Credit: 3 semester hours.) Described in general catalogue.

Govt. 223. American State Government — Texas Government. (Credit: 3 semester hours.) Described in general catalogue.

History. 163. Current History. (Credit: 3 semester hours.) Described in general catalogue.

M. S. 153. Machine Shop. (Credit: 3 semester hours.) Described in general catalogue.

Ed. 213. Child Psychology. (Credit: 3 semester hours.) Described in general catalogue.

Psy. 213. General Psychology. (Credit: 3 semester hours.) Described in general catalogue.

S. Pr. 223. Secretarial Practice. (Credit: 3 semester hours.) Described in general catalogue.

Shd. 153. Beginning Shorthand. (Credit: 3 semester hours.) Described in general catalogue.

Shd. 163. Intermediate Shorthand. (Credit: 3 semester hours.) Described in general catalogue.

Soc. 153. Contemporary Social Problems. (Credit: 3 semester hours.) Described in general catalogue.

Span. 153-163. Beginning College Spanish. (Credit: 6 semester hours.) Described in general catalogue.

Sp. 113, 123. Fundamentals of Speech. (Credit: 3 semester hours each.) Described in general catalogue.

T. 153. Beginning Typing. (Credit: 3 semester hours.) Described in general catalogue.

T. 163. Intermediate Typing. (Credit: 3 semester hours.) Described in general catalogue.

Flower Arranging — Unit II.

Demonstration and practice in dried, seasonal and period arrangements.

Football for Grandstanders.

Highlights of the game, official's duties, penalties and basic formations.

Fun and Fitness.

Exercise to music, group games and some folk dances.

Gift Wrapping.

Lecture, demonstration and practice of attractive and unique wrapping.

Grocery Checking Procedure.

Accuracy, efficiency and good customer relations for grocery checkers.

Grocery Store Organization.

Layout, departmentizing, housekeeping, policies and modernization for grocerymen.

Home Nursing — Unit I.

The care and comfort of the sick in the home. Standard Red Cross course.

Home Nursing — Unit II — Mother and Baby Care and Family Health.

Before and after baby arrives, baby's first year and the protection of family health.

Interiors — Home Decoration.

An introduction to home decoration with emphasis on good taste in the use of color, furniture and accessories.

Know Your Automobile.

What makes your car run and how to recognize signs of trouble.

Know Your Camera.

How to operate your own camera.

Leather Tooling.

Hand made leather projects.

Making Picture Frames.

Demonstration and practice.

Mathematics — Refresher.

Review of fundamental processes, decimals and fractions.

One-dish Meals.

Economical and wholesome meals for the family.

Parliamentary Procedure.

How to conduct a meeting.

Party Foods.

Easy, clever and practical preparations.

Photography — Introductory.

Fundamentals for good pictures.

Photography — Advanced.

Developing pictures and improving picture taking techniques.

Poultry Husbandry.

Culling, feeds and feeding, diseases, housing, brooding.

Salesmanship.

Merchandising facts, customer types, selling related merchandise and improving public relations.

Sewing — Basic.

Learning to follow pattern instructions, short cuts in cutting and constructing a garment, putting in zippers and bound button holes and setting in sleeves.

Show Card Lettering.

Demonstration and practice in layout and lettering techniques.

Stretching the Food Dollar.

Recipes, menus and wise buying for cutting meal costs.

Tailoring — Advanced Sewing.

Completion of at least one tailored garment, preferably a suit or coat.

Tractor Maintenance.

Preventive type maintenance — ignition system, fuel system, greasing, general upkeep.

Upholstery.

Spring tying, webbing, padding and covering furniture pieces.

Woodworking — Introductory.

Familiarizing the student with the care, use and safety of hand tools. Use of elementary woodworking material by making small projects.

Woodworking — Advanced.

Familiarizing the student with the use, care and operation of machines through making larger projects.

Other Short Courses Include:

Audio-visual Workshop; Aluminum Etching; Architectural Lettering; Art Appreciation; Art Workshop (Christmas); Art Workshop (crafts); Astronomy; Auto Mechanics (fundamentals); Basketball from the Bleachers; Basketry; Beef Cattle Production; Bible; Blueprint Reading; Building Custodianship; Carburetors; Carpentry; Ceramic Staining; China Painting; Civil Defense; Club Reporting; Conversational Spanish Workshop; Creative Writing; Current Books; Dairy Husbandry; Development of the Pre-adolescent Child; Drafting; Dramatics; Drapery Making; Duplicating Machines Workshop; Effective Shopping; Electricity; Employee Training; Etiquette; Farm, Dairy, or Home Bookkeeping; Finance Forum; Fire Prevention and Extinguishing; Floral Designing; Flower Cultivation; Folk Dancing; Foods for the Family; Fountain and Luncheonette Service; Furniture Refinishing; Furniture Slip-covers; Home Planning; How to Use a Library; Human Relations in Industry; Human Relations Workshop; Improving Job Methods; Industrial Safety; Inquiring Parent; Job and Safety Training; Job Instruction Training; Lamps and Lampshades; Landscape Gardening; Law for Laymen; Leadership; Livestock Production; Liquid Petroleum Gas System (installing and servicing); Masonry; Meal Planning; Meat Cutting; Mental Health Workshop; Merchandise Display; Metalcraft (copper, pewter, and aluminum); Metallurgy; Methods of Deep Freeze; Millinery; Money Management; Motor Analysis and Tune-up; Mud School; Music Appreciation; Needlecraft; Parent Workshop; Personal Charm; Personnel Supervision; Petroleum Education; Plastics; Police Work and Crime Investigation; Plumbing; Public Relations; Radio Operator; Real Estate — Buying, Owning, Selling; Rice (how to use); Rice Production; Rug Making; School Bus Driver's Clinic; Self-Defense; Silk Screen Printing; Small Business Clinic; Speech; Spelling; Square Dancing (community); Survival Under Atomic Attack; Textile Painting; Theater; Tractor Maintenance; Use of Sewing Machine Attachments; Vocabulary and Diction; Your Child From 3-12; Waitress Training; Water and Sewage System; Weaving; Welding; Wheel and Chassis Alignment; Woodcarving.

3. Forum Series

Topics of local, national, international, cultural and intercultural concern are chosen for consideration each year through the Community Forum Series. Usually, the series consists of four meetings—one each scheduled for the month of October, November, January, and February.

The forum series is free of charge to the public. It is financed by contributions from Patrons of the Forum Series. Attendance and interest justify a continuation of the program which brings well-informed speakers to Alvin.

4. Community Services

The facilities of the college, the professional services of the college staff and the assistance of visiting experts have been extended to the community in various fields of activity. Some of those activities have included:

Automobile Driver's Liability Institute; Church Usher's School; Citizenship Education (naturalization); Community Choir; Community Clinic; Community Leadership Workshop; Firemen Training School; Health Study Club for Negroes; Home and Family Life Conference; How to Use the Voting Machine; Income Tax Institute; North Side Youth Club; Parent Workshop; Public Affairs Roundtable; Red Cross Courses for Negroes; Testing and Counseling Service.

INDEX

Administrative Officers	4
Adult Education	77
Alpha Class	17, 18, 34
Art	58
Beta Class	19, 20, 36
Board of Education	4
Calendar	2, 3
Chemistry	72
Curricular Suggestions	30 to 36
Courses of Study	36, 47
Adult Education	77
Agriculture	37, 51
Business Administration and Education	37, 52
Education and Psychology	38, 56
English	38, 58
Fine Arts	39, 60
Foreign Language	40, 65
Home Economics	40, 66
Industrial Arts	41, 67
Mathematics	43, 69
Physical Education	43, 71
Science	44, 72
Social Science	45, 74
Course Numbers	22
Crafts	81
Delta Class	19, 20, 47
Divisions of College	27
Dramatics	59

INDEX

Evening School	77
Faculty	4
Gamma Class	19, 20, 47
Grading System	18
General Information	
Admission	13
Affiliation	12
Attendance Requirements	17
Grades and Reports	18
Entrance Units	14
Guidance	20
History	74
History of the College	7
Journalism	59
Library	29
Lower Division (11 and 12 grades)	36
Mechanical Drawing	68
Music	61
Names of Classes (Alpha, Beta, Gamma, Delta)	19
Objectives	11
Offerings by Departments	47 to 51
Orientation (Ed. Dept.)	56
Publications	16
Physics	72
Registration Procedure	26
Requirements for Graduation	25
Spanish	65
Speech	58
Tuition and Fees	23, 24