

San Joaquin Delta College Catalog 99-00

Section II - Instructional Programs -

Table of Contents

Part I - General Information

Student Affirmative Action	21
Non-Discrimination	21
Definition of Terms	22
California Articulation Number System - Qualified Courses Report -June 20, 1999	24
LIST OF ARTICULATED COURSES	26
Prerequisites, Corequisites, Limitations on Enrollment*	28
NOTICE ON VALIDATION OF SKILLS REQUISITES	28
Work Experience Program	30
Apprenticeship	30
Internship Program	30
Developmental Education	31
Special Education Program	31
Learning Disabilities Program	31

Part II - General Education Requirements, Associate Degrees, Transfer Majors

ASSOCIATE ARTS or ASSOCIATE in SCIENCE DEGREE	33
Majors Requirement	33
General Education Requirements	33
Unit Requirement	33
Competency Requirement	33
Residence Requirement	33
ASSOCIATE in ARTS DEGREE Major Areas of Concentration.....	33
AGRICULTURE	33
BIOLOGICAL SCIENCES	33
BUSINESS and MANAGEMENT	33
COMMUNICATIONS	33
COMPUTER and INFORMATION SCIENCE	33
EDUCATION	33
ENGINEERING and RELATED INDUSTRIAL TECHNOLOGIES	34
FINE and APPLIED ARTS	34
FOREIGN LANGUAGES	34
HEALTH PROFESSIONS	34
CONSUMER EDUCATION AND HOME ECONOMICS	34
HUMANITIES (Letters)	35
MATHEMATICS	35
PHYSICAL SCIENCES	35
PSYCHOLOGY	35
PUBLIC AFFAIRS and SERVICES	35
SOCIAL SCIENCES	35
INTERDISCIPLINARY STUDIES	35

ASSOCIATE IN SCIENCE DEGREE 1999-00 Majors	35
Major in ACCOUNTING(Proposed, Pending Approval)	36
Major in ARCHITECTURAL DRAFTING	36
Major in COMPUTER SCIENCE (Proposed, Pending Approval)	37
Major in CONSTRUCTION MANAGEMENT TECHNOLOGY	37
Major in CORRECTIONAL SCIENCE	38
Major in Culinary Arts	38
Major in ENGINEERING TECHNOLOGY	39
Major in LAW ENFORCEMENT	39
Major in NURSING Associate Degree Nursing (ADN)	40
Major in OFFICE MANAGEMENT (Proposed, Pending Approval)	40

Student Affirmative Action

- A. The College will provide equal educational opportunity for all students, regardless of race, religion, color, national origin, ancestry, disability, medical condition, marital status, age (over 40), gender, sexual orientation, or status as a Vietnam-era veteran, who have met admission qualifications and course/program prerequisites.
- B. The College will aggressively pursue affirmative action goals and objectives by continuing leadership and programs to provide the educational opportunities available to all historically underrepresented groups in all areas of instruction.
- C. Through adoption of a Student Equity Plan, the College will establish and continually revise goals for recruitment of historically underrepresented groups.
- D. The California Community Colleges Board of Governors has determined that, on a statewide basis, ethnic minorities, women, and persons with disabilities are historically underrepresented groups. (Title 5 #53001)

Non-Discrimination

In accordance with the requirements of the Civil Rights Act, San Joaquin Delta College provides services and benefits to students regardless of race, color, national origin, sex, age or handicap. The lack of English language skills will not be a barrier to admission and participation in vocational education programs.

(Title VI and VII of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 503 and 504 of the Rehabilitation Act of 1973, as amended.)

Additional inquiries regarding these laws and regulations may be directed to: (See below)

ADA/Sec. 504 Coordinator

Karen Andersen, Director
Disabled Students Programs & Services
Cunningham 120
(209) 954-5330 (V/TDD)

Affirmative Action

Elizabeth Zulueta, Director
Paul Gutierrez, Assistant Director
Admin. 202
(209) 954-5055

Title 9 and Gender Equity Coordinator

Elizabeth Zulueta
Admin. 202
(209) 954-5055

No Habra Discriminación

De acuerdo con la legislación de los Derechos Civiles, San Joaquin Delta College provee servicios y beneficios a sus estudiantes sin importar la raza, color, origen nacional, sexo, edad o cualquier incapacidad. La falta del conocimiento de la idioma inglés no sera obstáculo para ser admitido y participar en los programas de educación vocacional.

(Títulos VI y VII Acta de Derechos Civiles de 1964; Título IX de las Enmiendas de Educación de 1972; las Secciones 503 y 504 del Acta de Rehabilitación de 1973).

Para más información acerca de estas leyes y reglamentos comuníquese con:

Coordinadora del ADA/Sec. 504

Karen Andersen, Directora,
Directora de Programas y Servicios para
Estudiantes Incapacitados
edificio Cunningham 120
(209) 954-5330 (V/TDD)

Directora de Recursos Humanos/Acción Affirmativa

Elizabeth Zulueta
el Asistente Director,
el Sr. **Paul Gutierrez**
edificio Admin. 202
(209) 954-5055

Coordinadora del Título 9 y de Igualdad de géneros

Elizabeth Zulueta
edificio Admin. 202
(209) 954-5055

Definition of Terms

AA/AS General Education Requirement: Courses which satisfy general education requirements for the associate degree.

Academic Renewal—A process to have previous substandard college work (grades and credits) excluded from computation of the cumulative grade point average.

Academic Year—Fall and Spring semesters.

Add—Officially enrolling in a course.

Advisory On Recommended Preparation—A condition of enrollment that is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Assessment/Placement Tests—Tests given prior to registration for classes. The results are used to help students select appropriate classes.

Associate Degree (A.A. or A.S.)—A degree (Associate in Arts or Associate in Science) granted by a community college which recognizes a student's satisfactory completion of an organized program of at least 60 semester units including the major and general education requirements.

Baccalaureate Courses—Courses whose department number is 69 or below, e.g. English 1A; Math 36; Biology 11.

Bachelor's Degree (B.A., A.B., or B.S.) A baccalaureate degree granted by a four-year college or university which recognizes a student's satisfactory completion of an organized program of study consisting of at least 120 semester units.

Bailment—To hold in trust for another for a special purpose and for a limited period of time. In terms of parking, the money charged is for the service of allowing one to park on campus, not to hold and protect the property or vehicle.

California Articulation Number (CAN)—Identifies courses that may be used in lieu of others. For example, CAN BUS 2 at San Joaquin Delta College, will be accepted in lieu of a course that is designated as CAN BUS 2 at another campus. More than 70 San Joaquin Delta College courses carry a CAN designation. For additional information, ask to see the CAN CATALOG OF COURSES in the Counseling Office.

Many other San Joaquin Delta College courses are articulated with four year institutions. Check for additional articulation in the Counseling Office.

Catalog Rights—The privilege of retaining course and program requirements needed for graduation as listed in the catalog at the time of initial enrollment in college.

To retain catalog rights, a student must maintain continuous enrollment through the completion of requirements for graduation.

Continuous enrollment is defined as earning college credit in at least one semester during an academic year without interruption of progression. Requests for a leave of absence must be approved by the Vice President of Student Services in advance of the term for which absence is anticipated.

Certificate—A certificate granted by a community college which recognizes a student's satisfactory completion of an organized program of vocational study.

Class Section—A specific course code number as identified in the class schedule.

College Work Study (CWS)—A program of federal aid which provides funds for student jobs.

Community Service Class Non-College Credit—Fee based classes offered through the Community Services Program.

Corequisite—A condition of enrollment consisting of a course that a student is required to take simultaneously in order to enroll in another course.

Course—A series of lectures, laboratories, or other media providing instruction on a specific subject.

Course Audit — Enrollment in a course without award or notation on transcript of credit, units attempted, grade, or grade points.

Course Description—Brief statement about the content of a particular course.

Credit—Refers to the units earned by completing a course.

Credit by Examination—Course or unit credit granted for demonstrated proficiency in a given area as determined by examination.

Credit/No Credit—A grading system by which units of credit may be earned but no letter grade is assigned. Such units are not used in computing the grade point average. The credit/no credit grading option should not be confused with non-credit courses.

CSU—California State University System

CSU General Education Requirement—Courses which satisfy general education breadth requirements for California State Universities.

Degree—A diploma granted by a college stating that the student has successfully completed a course of study in a specific field. The most common degrees are:

- 1) A.A. - Associate in Arts;
- 2) A.S. - Associate in Science
- 3) B.A. - Bachelor of Arts;
- 4) B.S. - Bachelor of Science

Disabled Student Service—A support service offered through Disabled Student Programs and Services to facilitate equal access for students with a documented disability.

Dismissal—A situation caused by unsatisfactory low academic or progress performance, misconduct, or poor academic progress in which the student may not continue at the college without approval for readmission.

Drop—Officially withdrawing from a course, but remaining enrolled in college.

Elective—A course which is not required for a major or for general education but is acceptable for credit. An elective course may be in any area of study.

Full-time Student—A student enrolled in twelve or more course units in a regular semester or four or more units during the summer intersession.

General Education Requirements—A group of courses required to earn a degree which provide a broadly based education.

Good Standing—A student whose grade point average and cumulative grade point average is a C (2.0) or better and has a course completion ratio of over 50%.

Grade Point—A=4, B=3, C=2, D=1, F=0

Grade Point Average (G.P.A.)—An overall level of academic achievement used as a measure in making decisions regarding good standing, probation, disqualification, and dismissal, eligibility for graduation, and transfer to four-year institutions. The grade point average is derived from the following unit system:

- A = 4 grade points per unit
- B = 3 grade points per unit
- C = 2 grade points per unit
- D = 1 grade point per unit
- F = 0 grade points per unit

The G.P.A. is calculated by dividing the total number of grade points received by the number of units attempted.

Hour—Same as credit, credit unit, unit (See Credit).

IGETC: Intersegmental General Education Transfer Curriculum is a series of courses that Delta College students may use to satisfy lower division general education requirements at any CSU and most UC campuses. All coursework applicable to the IGETC must be completed in order to be accepted by CSU and UC. The IGETC will probably be most useful for students who want to keep their options open before making a final decision about transferring to a particular CSU or UC campus.

Independent Study—Individual study in areas not covered by a regular course.

Intersession—A period between the fall and spring semesters.

Limitations on Enrollment—A condition of enrollment which limits how students qualify for a particular program. Limitations apply to courses that include public performance or intercollegiate competition where a tryout or audition is necessary. Some courses require formal admission to a particular program in order to enroll (e.g. Associate Degree Nursing and Licensed Vocational Nursing programs, Post Academy).

Lower Division—Courses at the freshmen and sophomore level of college. A four year college/university major.

Major—An organized program of courses within a discipline leading to an Associate Degree or Vocational Certificate.

Matriculation—A process which brings a college and a student who enrolls for credit into an agreement for the purpose of realizing the student’s educational objective. Primary components of matriculation are assessment, orientation, and counseling of new non-exempt students. The following students will be exempted from the matriculation process:

- 1) Students who have completed an Associate Degree or higher;
- 2) Students who seek to enroll in non-credit courses only.

Non-credit Course—Courses numbered 100 or above which grant no college credit or student grades. A non-credit course should not be confused with the credit/no credit grading option.

Online Course—A course(s) which is offered via the Internet.

Open Entry—A course(s) which may be added anytime to a program of study throughout the semester.

Open Exit—A course(s) which may be completed upon fulfillment of course requirements at any time during the semester.

Prerequisite—A condition of enrollment a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program.

Probation—A period of time in which a student is conditionally enrolled contingent upon either improvement of scholastic achievement, improvement of course completion ratio, and/or conduct compliance.

Program Changes—Adding or dropping classes to the original program.

Registration—The process of selecting and enrolling in classes and paying the required fees.

Schedule of Classes—A publication used during registration, providing the subject, description of course, course number, course title, units, time, instructor and location of classes offered.

Semester—A term of the academic year— Fall and Spring, each lasting approximately eighteen weeks.

Student Educational Plan (SEP)—Requirements a student must meet and the courses, programs, and services required to achieve the stated goal. The SEP is developed by the student and counselor.

Student Load—The number of course units in which a student enrolls in any given term. Full time status equals 12 or more units.

TBA—(To be announced/arranged—TBA) A notation in the Schedule of Classes indicating when the time of a class may be arranged independently or that the location is to be announced.

Transcript—An official document of courses taken by the student showing the final grade received. Official transcripts must bear a seal of the college and the signature of a designated college official.

Transfer—Changing enrollment from one college to another after meeting the requirements for admission to the second institution.

Transfer Course—A course acceptable for credit from one college to another.

Units—A measure of college credit based on one unit for each lecture hour per week or for every two to three laboratory hours per week.

Units Attempted (UA)—Total number of units in which a student has enrolled.

Units Completed (UC)—Total number of units for which a student has received a grade of A, B, C, D, or F or Credit/No Credit.

U.C.—The University of California System

Upper Division—Courses or classes intended for the junior and senior years of college.

Variable Units—The range of units which may be earned in a given course (e.g. 1-3 units).

Withdrawal From College—Officially withdrawing from college.

California Articulation Number System

Qualified Courses Report

June 20, 1999

San Joaquin Delta College

CAN ID	San Joaquin Delta College Course
CAN AG 2	AG BUS 15: Computers in Agriculture
CAN AG 6	AHSC 10: Principles of Animal Science
CAN AG 8	PLANT 10: Principles of Plant Science
CAN AG 10	OH 22: Plant Propagation
CAN AG 14	PLANT 14: Soil Science
CAN AJ 2	AJ 21: Criminal Justice in Society
CAN AJ 4	AJ 22: Concepts of Criminal Law
CAN AJ 6	AJ 24: Legal Aspects of Evidence
CAN AJ 8	AJ 25: Criminal Investigation
CAN ANTH 2	ANTHR 2: Physical Anthropology
CAN ANTH 4	ANTHR 1: Cultural Anthropology
CAN ANTH 6	ANTHR 10: Introduction to Archeology
CAN ART 6	ART 44A+44B; or ART 64A: Introductory Ceramics
CAN ART 8	ART 33A: Beginning Drawing
CAN ART 10	ART 7A: Beginning Painting
CAN ART 12	ART 20A; or ART 46A+46B: Introduction to Sculpture
CAN ART 18	PHOTO 1A: Introduction to Photography
CAN ART 20	ART 40A: Beginning Printmaking
CAN ART 24	ART 33C: Figure Drawing
CAN ART SEQ A	ART 1A+1B: Art History
CAN BIOL 2	BIOL 1: Core Biology
CAN BIOL 4	ZOOL 1: General Zoology
CAN BIOL 6	BOT 1: General Botany
CAN BIOL 10	ANAT 1: Human Anatomy
CAN BIOL 12	PHYSI 1: Human Physiology
CAN BIOL 14	MICRO 2: Introduction to Microbiology
CAN BIOL SEQ A	BIOL 1 + ZOOL 1 + BOT 1: Core Biology + General Zoology + General Botany
CAN BIOL SEQ B	ANAT 1 + PHYSI 1: Human Anatomy + Human Physiology
CAN BUS 2	BUS 3: Financial Accounting
CAN BUS 4	BUS 4: Managerial Accounting
CAN BUS 8	(*) BUS 18A: Business Law
CAN BUS 12	BUS 19: Legal Environment of Business
CAN BUS SEQ A	BUS 3+4: Financial Accounting + Managerial Accounting
CAN CHEM 2	CHEM 1A: General Chemistry
CAN CHEM 4	CHEM 1B: General Chemistry
CAN CHEM 6	CHEM 3A: Introduction to Chemistry

CAN ID	San Joaquin Delta College Course
CAN CHEM 8	CHEM 3B: Introduction to General Chemistry
CAN CHEM SEQ A	CHEM 1A+1B: General Chemistry + General Chemistry
CAN CHEM SEQ B	CHEM 3A+3B: Introduction to General Chemistry
CAN CSCI 2	C S 11: Fundamentals of Computer Science
CAN CSCI 4	C S 27: Engineering FORTRAN
CAN CSCI 6	C S 28A: Basic Programming
CAN CSCI 8	C S 24A: COBOL Programming
CAN CSCI 10	C S 25A: Assembly Language Programming (Macro)
CAN CSCI 12	C S 29: Pascal Programming
CAN CSCI 16	C S 31: C Programming
CAN DRAM 8	DRAMA 31A: Beginning Principles and Practices of Acting
CAN ECON 2	ECON 1A: Principles of Economics
CAN ECON 4	ECON 1B: Principles of Economics
CAN ENGL 2	ENG 1A: Written Communications
CAN ENGL 4	ENG 1B: Written Communications
CAN ENGL 6	ENG 44A: Creative Writing: Short Story
CAN ENGL 8	ENG 46A: Survey of English Literature
CAN ENGL 10	ENG 46B: Survey of English Literature
CAN ENGL 14	ENG 42A: Survey of American Literature
CAN ENGL 16	ENG 42B: Survey of American Literature
CAN ENGL 20	ENG 41: Contemporary Poetry
CAN ENGL SEQ A	ENG 1A+1B: Written Communications
CAN ENGL SEQ B	ENG 46A+46B: Survey of English Literature
CAN ENGL SEQ C	ENG 42A+42B: Survey of American Literature
CAN ENGR 2	ENGR 2: Engineering Graphics
CAN ENGR 4	ENGR 4: Engineering Materials
CAN ENGR 6	ENGR 6: Engineering Circuit Analysis
CAN ENGR 8	ENGR 8: Statics
CAN ENGR 10	ENGR 10: Plane Surveying
CAN FREN 2	FREN 51+52; or FREN 1: Elementary French
CAN FREN 4	FREN 53+54; or FREN 2: Elementary French
CAN FREN 8	FREN 3: Intermediate French
CAN FREN 10	FREN 4: Intermediate French

CAN ID	San Joaquin Delta College Course
CAN FREN SEQ A	FREN 51+52+53+54; or FREN 1+2: Elementary French
CAN FREN SEQ B	FREN 3+4: Elementary French
CAN GEOG 2	GEOG 1: Physical Elements of Geography
CAN GEOG 4	GEOG 2: Cultural Geography
CAN GEOG 6	GEOG 1+1L: Physical Geography + Physical Geography Lab
CAN GEOL 2	GEOL 1A: Physical Geology
CAN GERM 2	GERM 51+52; or GERM 1: Elementary German
CAN GERM 4	GERM 53+54; or GERM 2: Elementary German
CAN GERM 8	GERM 3: Elementary German
CAN GERM 10	GERM 4: Elementary German
CAN GERM SEQ A	GERM 51+52+53+54; or GERM 1+2: Elementary German
CAN GERM SEQ B	GERM 3+4: Intermediate German
CAN GOVT 2	POLSC 1: American Government and Institutions
CAN H EC 2	FCS 6: Nutrition
CAN H EC 8	FCS 8: Food Preparation
CAN H EC 12	FCS 23: Marriage and the Family
CAN H EC 14	FCS 21: Child Development
CAN HIST 2	HIST 4A: History of Western Civilization
CAN HIST 4	HIST 4B: History of Western Civilization
CAN HIST 8	HIST 17A: History of the United States
CAN HIST 10	HIST 17B: History of the United States
CAN HIST SEQ A	HIST 4A+4B: History of Western Civilization
CAN HIST SEQ B	HIST 17A+17B: History of the United States
CAN ITAL 2	ITAL 51+52: Elementary Italian
CAN ITAL 4	ITAL 53+54: Elementary Italian
CAN ITAL SEQ A	ITAL 51+52+53+54: Elementary Italian
CAN JOUR 2	JOURN 2: Newswriting
CAN JOUR 4	JOURN 1: Survey of Journalism
CAN MATH 12	MATH 20: Finite Mathematics
CAN MATH 18	MATH 1: Calculus
CAN MATH 20	MATH 2: Calculus
CAN MATH 22	MATH 3: Calculus
CAN MATH 24	MATH 4: Differential Equations

CAN ID	San Joaquin Delta College Course
CAN MATH 26	MATH 5: Linear Algebra
CAN MATH 30	MATH 13: Survey of Calculus
CAN MATH SEQ B	MATH 1+2: Calculus
CAN MATH SEQ C	MATH 1+2+3: Calculus
CAN MUS 2	MUSIC 3A: Introduction to Theory and Musicianship
CAN MUS 4	MUSIC 3B: Beginning Theory and Musicianship
CAN MUS SEQ A	MUSIC 3A+3B: Introduction to Theory and Musicianship + Beginning theory and Mu...
CAN PHIL 2	(*) PHILO 6: Introduction to Philosophy
CAN PHIL 4	PHILO 40: Ethics
CAN PHIL 6	PHILO 30: Introductory Logic
CAN PHYS 2	PHYS 2A: General Physics
CAN PHYS 4	PHYS 2B: General Physics
CAN PHYS 8	PHYS 4A: Principles of Physics: Mechanics
CAN PHYS 12	PHYS 4C: Principles of Physics: Electricity and Magnetism
CAN PHYS SEQ A	PHYS 2A+2B: General Physics
CAN PSY 2	PSYCH 1: Introduction to Psychology
CAN SOC 2	SOCIO 1A: Introduction to Sociology
CAN SOC 4	SOCIO 1B: Problems of a Changing Society
CAN SPAN 2	SPAN 51+52; or SPAN 1: Elementary Spanish
CAN SPAN 4	SPAN 53+54; or SPAN 2: Elementary Spanish
CAN SPAN 8	SPAN 3: Intermediate Spanish
CAN SPAN 10	SPAN 4: Intermediate Spanish
CAN SPAN SEQ A	SPAN 51+52+53+54; or SPAN 1+2: Elementary Spanish
CAN SPAN SEQ B	SPAN 3+4: Intermediate Spanish + Intermediate Spanish
CAN SPCH 4	SPCH 1A: Fundamentals of Speech
CAN SPCH 6	SPCH 5: Argumentation and Debate
CAN STAT 2	MATH 12: Introduction to Statistics and Probability Theory

Note (*): Newly-qualified course, or course that has requalified.

2+2 Articulated Courses

Students who have completed articulated courses in high school may receive college credit and advanced placement at San Joaquin Delta College. The College is committed to comprehensive articulation of instructional programs with both secondary and postsecondary educational institutions, usually referred to as "2 + 2 + 2" articulation. The "2 + 2" articulation links the high school program, adult school and ROP with San Joaquin Delta Community College programs. These articulated programs lead to an associate degree. The "2 + 2 + 2" articulation adds a four-year college or university program leading to a baccalaureate degree where appropriate.

The articulation process is a system designed to help students

to advance from one course, program, or educational level to the next without unnecessary repetition of essentially similar courses for which credit has been received.

If you have taken any of the courses on the following list, you may wish to exercise your right to obtain college credit and advanced placement by contacting the principal at your high school to request a "San Joaquin Delta College/Secondary School Application for College Credit" (Procedure 6298) before or at the time of registration.

If you have any questions, please contact the Articulation Officer at (209) 954-5046.

LIST OF ARTICULATED COURSES

AMADOR H. S.	equivalent to	DELTA COLLEGE	LODI H.S.	equivalent to	DELTA COLLEGE
Auto Services ROP	"	AUTO 62	Accounting I	"	BUS 10A
Auto Services ROP	"	AUTO 63	Interior Design	"	FCS 10
Auto Services ROP	"	AUTO 64	Architectural Designer	"	
A.P. Calculus	"	MATH 1	Adv. Architectural Design	"	ARCH 1
			Drafting I or Adv. Drafting	"	E TECH 3
ARGONAUT H. S.	equivalent to	DELTA COLLEGE	Calculus A.P.	"	MATH 1
Accounting I	"	BUS 10A	Fashions	"	FCS 47A
ROP Hospital/Comm. Health	"	HS 39	Drafting 2, 3	"	E TECH 11
			Auto 1, 2 and ROP	"	AUTO 62
			Auto 1, 2 and ROP	"	AUTO 63
			Auto 1, 2 and ROP	"	AUTO 64
EAST UNION H. S.	equivalent to	DELTA COLLEGE			
Computer Keyboarding	"	BIM 1A/1B	R. O. P. LODI CAREER CENTER	equivalent to	DELTA COLLEGE
Accounting I	"	BUS 10A	Fashion Merchandising	"	FCS 40
Computer Applications I	"	CS 18B	Medical-Dental Office Management	"	BIM 1B ONLY
Drafting I	"	E TECH 3	Pagermaker 5-Macintosh	"	BIM 23A
Metal Fabrication	"	MECH 15	WP/Adv. WP for Windows	"	BIM 12D/12E
English for Business	"	BUS 17A	7565 ROP Nurse Assistant	"	HS 70
Ornamental Horticulture	"	OH 10	Fire Science	"	FIRE 3
Precalculus #2320	"	MATH 36	Construction Technology	"	CONST 10
Word Processing	"	BIM 2	Microsoft Office 95	"	CS 20
ESCALON H. S.	equivalent to	DELTA COLLEGE			
Accounting ROP 7700 & 7750	"	BUS 10A	MODESTO CITY SCHOOLS	equivalent to	DELTA COLLEGE
Auto I	"	AUTO 62	Electrical Trades (ROP)	"	ELEC 30
Automotive Tech. III	"	AUTO 63			
Automotive Tech. II	"	AUTO 64	STAGGH. S.	equivalent to	DELTA COLLEGE
Computers Level II	"	BIM 12D/12E/12F	Clothing/Textiles 3&4	"	FCS 47A
Drafting I	"	E TECH 3	Food and Nutrition 1&2	"	FCS 8
Computers Level I	"	BIM 1A/1B	Auto Mechanics 1, 2	"	AUTO 62
Office Procedures 4560	"	BIM 38	Auto Mechanics 1, 2	"	AUTO 63
			Auto Mechanics 1, 2	"	AUTO 64
GALTH. S.	equivalent to	DELTA COLLEGE	Construction 3, 4	"	CONST 10
Child Development II	"	FCS 32A	Drafting 1&2	"	E TECH 3
Interior Design	"	FCS 10	English 7, 8E/W	"	ENG 79
Auto Mechanics I	"	AUTO 62	Calculus	"	MATH 1
Auto Mechanics I	"	AUTO 63			
Auto Mechanics I	"	AUTO 64	WOODRUFF R. O. C	equivalent to	DELTA COLLEGE
Plant Science	"	OH 10	Automotive Technology	"	AUTO 62
			Automotive Technology	"	AUTO 63
LINDBERGH ED. CTR.	equivalent to	DELTA COLLEGE	#8500 Keyboarding I	"	BIM 1A
0600 Accounting Clerk I	"	BUS 10A	#8501 Keyboarding II	"	BIM 1B
Automotive Tech I	"	AUTO 62	#8506 MS Word Processing	"	BIM 7A
Automotive Tech II	"	AUTO 63	#8510 Intro to PageMaker	"	BIM 23A
Automotive Tech III	"	AUTO 64	#8503 Electronic Office Calc.	"	BIM 32
R.O.P. Career Office Training	"	BIM 31	Business Accounting #1330	"	BUS 10A
R.O.P. Careers with Children - B	"	FCS 32A			
R.O.P. Fashion Merchandising	"	FCS 40	BEAR CREEK H. S.	equivalent to	DELTA COLLEGE
Computer Aided Drafting	"	E TECH 12	Accounting I	"	BUS 10A
Health Careers	"	HS 39	Keyboarding/Computer Applications	"	BIM 1A/1B
R.O.P. Career Office Training	"	BIM 32A, B, C	Fashion and Design	"	FCS 47A
Construction Technology	"	CONST 10	English 11CP	"	ENG 79
R.O.P. Career Office Training	"	BIM 32A & BUS 17A			

List of Articulated Courses Continued

BEAR CREEK H.S. (Cont.)	equivalent to	DELTA COLLEGE	MANTECA H.S.	equivalent to	DELTA COLLEGE
English 12 CP	"	ENG 79	Computer Keyboarding / Typing	"	BIM 1A ONLY
Introduction to Machine Drafting	"	E TECH 3	Accounting I	"	BUS 10A
Advanced Computer Applications	"	CS 18B	Computer Applications 1	"	CS 18B
Advanced Auto Mechanics	"	AUTO 62	Architecture Drafting & Design	"	ARCH 1
Advanced Auto Mechanics	"	AUTO 63	Drafting I	"	E TECH 3
Advanced Auto Mechanics	"	AUTO 64	Advanced Welding	"	MECH 10
Calculus AP 2115	"	MATH 1	Precalculus 2320	"	MATH 36
U.S. History (1625) AP	"	HIST 17A & 17B			
BRET HARTE H.S.	equivalent to	DELTA COLLEGE	RIPON H.S.	equivalent to	DELTA COLLEGE
Beginning Mechanical Drawing	"	E TECH 3	General Office Clerk	"	BIM 38
IA 273 Auto Mechanic Brakes	"	AUTO 62	Ornamental Horticulture	"	OH 10
IA 276 Auto Electric	"	AUTO 63			
IA 273 Auto Mechanic Engine	"	AUTO 64			
CALAVERAS H.S.	equivalent to	DELTA COLLEGE	SIERRA H.S.	equivalent to	DELTA COLLEGE
Auto. Svcs. Occupations (R.O.P.)	"	AUTO 62	Fashion and Design	"	FCS 47A
Automotive Level II	"	AUTO 63	Computer Keyboarding / Typing	"	BIM 1A / 1B
Automotive Mechanics 1, 2	"	AUTO 64	Accounting 1	"	BUS 10A
Architectural Design I	"	ARCH 1	Computer Applications	"	CS 18B
Mechanical Engineering Drafting I	"	E TECH 3	Foods	"	FCS 8
CP/IRAided Drafting & Design III or IV	"	E TECH 12	Precalculus #2320	"	MATH 36
Police Science, R.O.P.	"	AJ 22	Drafting I	"	E TECH 3
Police Science, R.O.P.	"	AJ 25			
Police Science, R.O.P.	"	AJ 26			
Hospital Community Health Services ROP	"	HS 36	ST. MARY'S H.S.	equivalent to	DELTA COLLEGE
Hospital Community Health Services ROP	"	HS 39	2410A. P.U.S. Government	"	POLSC 1
English IV	"	ENG 79	3423 Statistics	"	MATH 12
Shop Skills, AGE Equipment Const. II,	"	AGENGR 21	3420 Precalculus	"	MATH 36
AGE Equipment Const. III	"		3320 Precalculus Honors	"	MATH 36
			3423 Statistics	"	PSYCH 12
			3430 Calculus	"	MATH 1 & 2
EDISON H.S.	equivalent to	DELTA COLLEGE	TOKAY H.S.	equivalent to	DELTA COLLEGE
Intermed. Clothing 1 & 2	"	FCS 47A	Auto I and Auto II	"	AUTO 62
Auto Mechanics 1, 2	"	AUTO 62	Auto I and Auto II	"	AUTO 63
Auto Mechanics 1, 2	"	AUTO 63	Auto I and Auto II	"	AUTO 64
Auto Mechanics 1, 2	"	AUTO 64	Drafting Introduction	"	E TECH 3
Mechanical Drawing 1-2	"	E TECH 3	Keyboarding / Computer Literacy	"	BIM 1A / 1B
Calculus 1, 2 #3765	"	MATH 1	Accounting	"	BUS 10A
			Computer Applications	"	CS 18B
			Advanced Fashion	"	FCS 47A
			Interior Design	"	FCS 10
			Consumer Food & Nutrition	"	FCS 8
FRANKLIN H.S.	equivalent to	DELTA COLLEGE	Parenting and Child Care Aide	"	FCS 29
Clothing & Textiles 3 & 4	"	FCS 47A	2110 Precalculus	"	MATH 36
Vocational Accounting I	"	BUS 10A	2115 Calculus	"	MATH 1
LINCOLN H.S.	equivalent to	DELTA COLLEGE	TRACY H.S.	equivalent to	DELTA COLLEGE
ROP Child Care	"	FCS 32A	Accounting I	"	BUS 10A
Fashion II	"	FCS 47A	5553 / 5565 ROP FEAST	"	CUL ART 1
Foods II	"	FCS 8	Auto Mechanics II	"	AUTO 62
Drafting I	"	E TECH 3	Auto Mechanics II	"	AUTO 63
Accounting 1	"	BUS 10A	Auto Mechanics II	"	AUTO 64
A.P. Calculus AB	"	MATH 1	ROP Child Care	"	FCS 32A
Keyboarding	"	BIM 1A ONLY	ROP Child Care	"	FCS 29
7532-04 Const. Tech	"	CONST 10	Calculus 1B (Also Honors)	"	MATH 1
4520 Desktop Publishing	"	BIM 23A	Technical Drafting #5123	"	E TECH 3
#5011 - Drafting 2	"	E TECH 11	Vocational Welding	"	MECH 10
Biology	"	BIOL 10	Advanced Biology II #3037	"	BIOLOGY 1
			Computer Applications I	"	CS 20
LINDEN H.S.	equivalent to	DELTA COLLEGE	WEST (MERRILL F.) H.S.	equivalent to	DELTA COLLEGE
ROP Careersw / Children - B	"	FCS 32A	Typing / Keyboarding #4513	"	BIM 1A
ROP Careersw / Children - A	"	FCS 29	Math 2131: Precalculus Honors	"	MATH 36
Computer Applications	"	CS 18B	English 4	"	ENG 79
Drafting I	"	E TECH 3	Algebra III Honors	"	MATH 30
			Physics	"	PHYS 10

Prerequisites, Corequisites, Limitations on Enrollment*

DECLARING EQUIVALENCY

Any student who does not meet a courses pre or corequisite, but who believes that he/she has completed the equivalent of the course at another institution or through some other means, may seek entry into a class by filing a *Petition for Declaration of Equivalence*. The student will be allowed to enroll in the courses pending the disposition of the petition. These petitions are available in Holt Center 101.

CHALLENGING PRE/COREQUISITES

A student may challenge a pre/corequisite by obtaining a petition from the Office of Admissions, Holt Center, room 101. The completed petition, along with supporting documentation should be submitted to Holt Center, room 101 and will be reviewed by the Matriculation Appeals Committee. The Committee's decision is final.

Grounds for Challenge

Of specific pre/corequisites:

- The student has the knowledge or ability to succeed in the course or program despite not meeting the prerequisite or corequisite.
- The pre/corequisite has not been established in accordance with regulation or the District's approved policy.
- The pre/corequisite is unlawfully discriminatory or applied in a discriminatory manner.
- The pre/corequisite has not been made reasonably available and it has caused the student an undue delay in achieving educational goals.

Of limitations on enrollment:

The student seeks to enroll and has not been allowed to enroll due to a limitation on enrollment established for a course that involves intercollegiate competition or public performance, or other conditions limited to a cohort of students. The student shall be allowed to enroll if otherwise he or she would be delayed by a semester or more in attaining the associate degree or certificate specified in his or her Student Educational Plan (SEP).

Of health and safety pre/corequisites:

The student seeks to enroll in a course which has a pre/corequisite established to protect health and safety, and the student demonstrates that he or she does not pose a threat to himself or herself or others.

Appeals Process

- For challenges concerning academic qualifications (declaring equivalency):
 - The student shall submit a petition to the appropriate division chairperson.
 - The division chairperson shall make a determination in consultation with the appropriate faculty.
 - If the student is dissatisfied with the decision of the division chairperson, a request may be made to the division chairperson for review by the Matriculation Appeals Committee.
- For challenges based on non-academic grounds:
Students should submit petitions and supporting documentation directly to the Matriculation Appeals Committee.
- The Matriculation Appeals Committee shall judge the relevancy of evidence and make its findings and recommendations for the disposition of the petition. The decision of the Committee shall be final.

Petitions and Documentation

- All petition forms may be picked up and submitted to the Admissions and Registration Office, Holt Center, room 101.
- Students are responsible for providing completed petitions and all supporting documentation.
- * For Definitions, please see Definition of Terms, pages 22-23.

NOTICE ON VALIDATION OF SKILLS REQUISITES

During 1999-2000, San Joaquin Delta College will undertake a study to evaluate the validity of skills requisites and skills co-requisites in a number of courses offered at the institution. The study involves the removal of basic skills requisites in reading, composition, and mathematics that have been in place for several years. As always, students are encouraged to carefully evaluate their own skills, ability, motivation, and the nature of the classes under consideration.

Reading, English Composition Requirements

English Composition

Students are strongly urged to enroll in the appropriate English Composition class as soon as possible.

Reading

Students who score Level I in reading may enroll in any course designated as exempt from assessment. Students who score Level I in reading and wish to enroll in a course with a corequisite of reading must enroll in reading (See below for appropriate reading classes.) Students who score Level I in reading and wish to enroll in a course with a prerequisite of reading Level II must reach Level II before they will be allowed to enroll.

English As A Second Language

ESL students who do not have a United States of America high school diploma and foreign students will be placed based upon an ESL assessment. ESL students who do have a United States of America high school diploma may either use the ESL assessment or the reading section of the assessment/ placement assessment and the reading requirements at the left.

COMPOSITION

<p><u>Level III</u> ENG 1A</p>		
<p><u>Level II</u> ENG 79 (Prepares for entry into ENG 1A and satisfies the A.A. Degree requirement.)</p>	<p>READING</p>	
<p><u>Level I</u> ENG 87 ENG 70A, B, C</p>	<p><u>Level I</u> READ 98G, H, I, J or DV ED 97E, F or READ 90A, B, C READ 91 A, B, C, D, E</p>	<p style="text-align: center;">ESL (Fulfills the Reading requirement)</p> <p><u>Level I</u> ENG 86 G, H, I, J ENG 85 program ENG 84 program ENG 83 program ENG 82 program ENG 80/81 program</p>

Level II and III courses are Associate degree appropriate. Level I courses do not count toward the Associate degree. Students who believe their initial assessment levels are incorrect may request a retest or apply for review through the Appeal Process. Appointments for retests may be arranged through the Assessment Center in Shima Center, room 144, telephone 954-5535. Appeals may be made through Admissions and Records, Holt Center, room 101.

Work Experience Program

Delta College recognizes the value of learning experiences that enhance formal college studies. A student may earn (elective) units towards an A.A. and/or A.S. degree for on-the-job employment experience if they are also enrolled in a course directly related to their employment. Students must be enrolled in at least seven units of course work including Work Experience units. Students enrolling in summer intersession must be enrolled in one course directly related to their employment (no minimum unit requirement).

Cooperative Work Experience Education is supervised employment, extending classroom based occupational learning to on-the-job experience. The student may qualify by using either the **Parallel** or the **Alternate Plan**.

1. **Parallel Plan:** Specifically designed for students who are working and attending classes during the same semester. Up to 4 units of Work Experience credit may be earned per semester. The combined total number of units a student may take in internship, work experience, and occupational practice may not exceed a maximum of 16 units.
2. **Alternate Plan:** Specifically designed for students who attend classes full time one semester (7 or more units) and work full time the next semester. Up to 8 units of Work Experience credit may be earned per semester. The combined total number of units a student may take in internship, work experience, and occupational practice may not exceed a maximum of 16 units.

Students must be enrolled in the Work Experience program before the census date for full term classes for each semester. The class code numbers are available only from the Internship/Work Experience office. For more information, contact the Internship/Work Experience office, Holt Center, room 140, or phone 954-5269.

Administration of Justice AJ 92V
 Administration of Justice AJ 95V
 Ag/Business AGBUS 96V
 Ag/Engineering AGEGR 96V
 Animal Science AHSC 96V
 Business BUS 98V
 Computer Science CS 98V
 Family & Consumer Studies FCS 93V
 Fire Science FIRE 91V
 Health Sciences HS 93V
 Health Sciences HS 97V
 Home Economics H EC 93V
 Natural Resources NR 94V
 Ornamental Horticulture OH 96V
 Plant Science PLANT 96V
 Social Sciences VOED 99V
 Vocational Ed (Apprentice) VOED 80V
 Vocational Ed VOED 90V
 Vocational Ed VOED 96V

Apprenticeship

San Joaquin Delta College provides related courses of instruction in accordance with the California Apprenticeship Law. Courses cover related and supplemental instruction in related technical areas of the trades and are intended to complement the skills learned on the job. Information on how to become an apprentice may be obtained from the Division of Apprenticeship Standards, Don Simonich, P.O. Box 213030, Stockton, CA 95213-9030 or San Joaquin Delta College, Apprenticeship Office, Holt Center, room 140, 5151 Pacific Avenue, Stockton, CA, 95207. Phone: 954-5236.

The following is a list of apprenticeship related training courses offered at Delta College.

Auto Mechanics	Machinist
Body and Fender Repair	Maintenance Mechanic
Civil Maintenance	Mechanical Maintenance
Diesel Technology	Mill Cabinet
Electrical	Plant Operator
Electrical Maintenance	Plumbing and Pipefitting

Internship Program

Delta College recognizes the value of learning experiences that enhance formal college studies. A student attending Delta College may earn units towards an A.A. degree, A.S. degree, or transfer to a four year college. The internship with business or industry requires the student to be enrolled in a course directly related to their internship. Each student shall be engaged in a specific research project or on-the-job learning activities under the supervision of a worksite supervisor and college internship instructor. Students must be enrolled in at least seven units of course work including Internship units. Students enrolling in summer intersession must be enrolled in one course directly related to their employment (no minimum unit requirement).

Internships extend classroom based occupational learning to work-based learning activities at the work site. The student may qualify by using either the **Parallel** or the **Alternate Plan**.

1. **Parallel Plan:** Specifically designed for students who are working and attending classes during the same semester. Up to 4 units of Internship credit may be earned per semester. The combined total number of units a student may take in internship, work experience, and occupational practice may not exceed a maximum of 16 units.
2. **Alternate Plan:** Specifically designed for students who attend classes full time one semester (7 or more units) and enroll in an internship the next semester. Up to 8 units of Internship credit may be earned per semester. The combined total number of units a student may take in internship, work experience, and occupational practice may not exceed a maximum of 16 units.

Students must be enrolled in the Internship program before the census date for full term classes for each semester. For more information, contact the Internship/Work Experience office, Holt Center, room 140, or phone 954-5269.

The following is a list of Internship courses.

Agriculture Business	Construction
Agriculture Engineering	Diesel Technology
Animal Science	Engineering Technology
Administration of Justice	Fire
Automotive Mechanics	Industrial
Auto Body	Machine Tool
Business Information Mgt	Ornamental Horticulture
Business and Accounting	Printing Technology
Computer Science	Reading

Developmental Education

The purpose of Developmental Education is to provide courses that will assist students in mastering the basic skills necessary for them to continue their education. The instructional program includes basic, developmental and advanced courses in reading, writing, study skills, English as a Second Language, and mathematics. These courses are supported by laboratory experiences of individualized, self-paced practice. Six laboratories are available with materials, media, and tutorial assistance to help students improve their skills. The laboratories include the Center for Academic Preparation, the Writing Laboratory, the English as a Second Language Laboratory, the Learning Disabilities Laboratory, the Basic Skills Math Laboratory, and the Tutorial Center. See Developmental Education, English, and Learning Disabilities sections of the COLLEGE CATALOG for course descriptions.

Learning Disabilities Program

Students qualifying for the Learning Disabilities program may enroll in these courses which provide specialized small group instruction in reading, spelling, vocabulary and study skills. Individual prescriptions are based on assessment and diagnosis for the specific needs of each student. The program also serves as a support service and provides reinforcement to help students meet performance expectations in basic skills, vocational and academic courses.

Special Education Program

The curriculum offered in Special Education has been designed to provide parents, professionals, paraprofessionals, potential special educators, and other interested persons with an opportunity to develop a basic understanding and some specific skills related to serving people with special needs.

The non-credit classes have been designed specifically for students with disabilities.

Special Education courses are offered through the Disabled Student Program and Services located in Cunningham Center, room 120. Call: 954-5330 (V/TDD).

ASSOCIATE in ARTS or ASSOCIATE in SCIENCE DEGREE

Majors Requirement

Minimum of eighteen (18) semester units of course work in approved program of study in a specific discipline.

OR

Minimum of nine (9) semester units of course work in a specific discipline and a minimum of nine (9) semester units of course work in related disciplines as specified in the Associate in Arts Major Areas of Concentration List.

OR

Fulfillment of the lower-division graduation requirements for any accredited baccalaureate institution.

General Education Requirements

Minimum of twenty-four (24) semester units of general education courses as prescribed in the San Joaquin Delta College Associate Degree General Education pattern.

OR

California State University lower division General Education pattern.

OR

Intersegmental General Education Transfer Curriculum (IGETC) pattern.

OR

Successful completion of the San Joaquin Delta College Associate Degree in Nursing Program.

Unit Requirement

A minimum of sixty (60) semester units of course work with a 2.00 ("C") average or higher.

Competency Requirement

A minimum competency must be demonstrated by a grade of "C" or higher in courses offered in satisfaction of written communication, oral communication, and quantitative reasoning.

Residence Requirement

Of the minimum required sixty (60) semester units, the student must complete at San Joaquin Delta College:

1. The last twelve (12) semester units and attend during the semester of qualification for graduation.

OR

2. A total of at least twenty-four (24) units.
3. Units earned through Credit by Examination do not apply as residency units.

ASSOCIATE in ARTS DEGREE

Major Areas of Concentration

A minimum of (18) units of course work as identified in the areas below excluding those courses identified as not applicable toward the Associate degree.

AGRICULTURE

Agriculture Technology and Sciences, General

Any combination of courses from the Agriculture Business, Agriculture Engineering, Plant Science, Animal Science, and Ornamental Horticulture departments.

Natural Resources

Any combination of courses in forestry, conservation, park management, and wild-life management.

BIOLOGICAL SCIENCES

Natural (Life) Science, General

Any combination of courses from the Biology, Botany, Microbiology, and Zoology departments.

BUSINESS and MANAGEMENT

Business and Commerce, General

Any combination of courses from the Business and Business Information Management departments.

COMMUNICATIONS

Communications, General

Any combination of courses from the Drama, English, Journalism, Broadcasting, and Speech departments.

COMPUTER and INFORMATION SCIENCE

Computer and Information Science, General

Any computer or data entry courses.

EDUCATION

Special Education, General

Any special education courses.

Physical Education

Any combination of courses from the Athletics and Physical Education and Recreation departments.

ENGINEERING and RELATED INDUSTRIAL TECHNOLOGIES

Engineering, General (requires Calculus for Transfer)

Any combination of courses from the Electrical Technology, Electron Microscopy, and Mechanical Technology departments.

Electronics and Electric Technology

Any combination of courses from the Electrical Technology, Electron Microscopy, and Electronic Technology departments.

Electron Microscopy

Any electron microscopy courses.

Printing and Lithography

Any print technology courses.

Diesel Technology

Any diesel technology courses.

Automotive Technology

Any automotive technology courses.

Construction Crafts Technology

Any construction technology courses.

Technical Education

Any combination of courses from Automotive Technology, Construction Technology, Diesel Technology, Electrical Technology, Engineering Technologies, Printing Technology, Industrial Technology, Electronic Technology, Mechanical Technology departments.

FINE and APPLIED ARTS

Fine Arts, General

Any combination of courses from the Art, Music, Drama, Dance, Photography, and Graphic Arts departments.

Art (Painting, Drawing, and Sculpture)

Any art courses.

Music

Any music courses.

Dramatic Arts

Any drama courses.

Dance

Any dance courses.

Photography

Any photography courses.

FOREIGN LANGUAGES

Foreign Languages, General

A concentration of more than one foreign language without giving full major emphasis to any one language, e.g., minimum of 12 units in one foreign language and 6 units in another.

French

Any French courses.

German

Any German courses.

Italian

Any Italian courses.

Spanish

Any Spanish courses.

Russian

Any Russian courses.

Chinese

Any Chinese courses.

Japanese

Any Japanese courses.

Greek

Any Greek courses

Arabic

Any Arabic courses.

Filipino

Any Tagalog courses.

HEALTH PROFESSIONS

Health Professions, General

Any combination of courses from the Health Education and Health Science departments.

Nursing, R.N.

Any nursing courses.

Nursing, L.V.N.

Any nursing courses

Psychiatric Technology

Any psychiatric technology courses.

Radiological Technology

Any radiologic technology courses

CONSUMER EDUCATION AND HOME ECONOMICS

Consumer Education and Home Economics

Any combination of courses from the Family and Consumer Sciences, Food Technology, and Home Economics departments.

Culinary Arts

Any culinary arts courses.

HUMANITIES (Letters)

English

Any combination of courses from the English and Reading departments.

MATHEMATICS

Mathematics, General

Any mathematics courses

PHYSICAL SCIENCES

Physical Sciences, General

Any combination of courses from the Physical Science, Physics, Chemistry, Astronomy, and Geology departments.

PSYCHOLOGY

Psychology, General

Any psychology courses.

PUBLIC AFFAIRS and SERVICES

Administration of Justice

Any administration of justice courses.

Fire Control Technology

Any fire science courses.

SOCIAL SCIENCES

Social Sciences, General

Any combination of courses from the Anthropology, Economics, Education, History, Political Science, Psychology, Social Science, and Sociology departments.

INTERDISCIPLINARY STUDIES

Liberal Arts and Sciences, General (Transfer Major)

Fulfillment of the lower-division requirements for any institution to which transfer is planned.

Biological and Physical Sciences

Any combination of courses in anatomy, physical anthropology, astronomy, bacteriology, biology, botany, chemistry, electron microscopy, geology, mathematics, microbiology, natural resources, physical geography, physical science, photography, physics, physiology, and zoology.

Humanities

Any combination of courses in art, dance, drama, history, humanities, languages, literature, music, philosophy, religion, and civilization.

**ASSOCIATE IN
SCIENCE DEGREE
1999-00**

Majors

- Accounting
- Architectural Drafting
- Associate Degree Nursing (ADN)
- Computer Science
- Construction Management Technology
- Correctional Science
- Culinary Arts
- Engineering Technology
- Law Enforcement
- Office Management

Major in ACCOUNTING (Proposed, Pending Approval)

<u>First Semester</u>	Units
BUS 1A Principles of Accounting	5
BUS 11 Income Tax Procedures	3
BUS 81 California Income Tax Preparation	1
BUS 70 Payroll Accounting	2
OR	
BUS 71 Computerized Payroll Accounting	1
BIM 31 Electronic Calculation	3
OR	
BIM 32A,B,C Beginning, Intermediate, and Advanced Office Calculation	3
MATH 10 Introduction to Contemporary Mathematics	3
OR	
MATH 13 Survey of Calculus	3
 <u>Second Semester</u>	
BUS 1B Principles of Accounting	5
BUS 20 Introduction to Business	3
C S 14 Microcomputers and Small Business	3
OR	
C S 20 MicroSoft Word, Excel, and Access	3
ENG 1A Written Communications	3
*ELECTIVE General Education Requirement: Humanities Course	3-5
 <u>Third Semester</u>	
BUS 3 Financial Accounting	5
BUS 15 Computer Spreadsheet for Accounting	3
ECON 1A Principles of Economics	3
BUS 8 Introduction to The American Legal System	3
OR	
BUS 18A Business Law	3
*ELECTIVE General Education Requirement: Natural Science Course	3-5
 <u>Fourth Semester</u>	
BUS 4 Managerial Accounting	5
C S 11 Fundamentals of Computer Science	3
SPCH 1A Fundamentals of Speech	3
*ELECTIVE General Education Requirement: Social Science, Group A, Course	3
Total Units Required: 64 - 69	

***ELECTIVE**

Courses must be selected from the appropriate area of the General Education requirements for the Associate degree.

Major in ARCHITECTURAL DRAFTING

<u>First Semester</u>	Units
ARCH 1 Basic Architectural Drafting	3
ARCH 8 Materials of Construction	3
CS 11 Computer Science Fundamentals	3
ENG 1A Written Communications	3
*ELECTIVE General Education Requirement: Natural Science Course	3
 <u>Second Semester</u>	
ARCH 9 Design Fundamentals	3
ARCH 12 Computer Aided Drafting	3
CONST 89 Methods and Planning	3
MATH 80 Elementary Algebra	4
SPCH 1A Fundamentals of Speech	3
 <u>Third Semester</u>	
E TECH 22 Three Dimensional Modeling	3
ARCH 2 Architectural Practice: Working Drawings	6
CONST 78 The Uniform Building Code	2
*ELECTIVE General Education Requirement: Social Science, Group A, Course	3
 <u>Fourth Semester</u>	
ARCH 3 Architectural Presentations	3
ARCH 5 Architectural Detailing	3
E TECH 41 Civil Drafting: Site Design and Improvement	4
*ELECTIVE General Education Requirement: Social Science, Group B, Course	3
*ELECTIVE General Education Requirement: Humanities Course	3
Total Units Required: 61	

***ELECTIVE**

Courses must be selected from the appropriate area of the General Education requirements for the Associate degree.

Major in COMPUTER SCIENCE (Proposed, Pending Approval)

First Semester	Units
C S 11 Computer Science Fundamentals	3
C S 17 Computer Logic	3
*ELECTIVE General Education Requirement: Learning Skills, Group A, Course	3-5
*ELECTIVE General Education Requirement: Social Science, Group A, Course	3
**ELECTIVE Course of Choice	3-5
<u>Second Semester</u>	
C S 20 MicroSoft Word, Excel, and Access	3
C S 54 Fundamentals of Data Communications	3
*ELECTIVE General Education Requirement: Learning Skills, Group B, Course	3-5
*ELECTIVE General Education Requirement: Social Science, Group B, Course	3
**ELECTIVE Course of Choice	3-5
<u>Third Semester</u>	
C S 24A COBOL Programming	3
OR	
C S 28A BASIC Programming	3
OR	
C S 31 C Programming	3
*ELECTIVE General Education Requirement: Learning Skills, Group C, Course	3
*ELECTIVE General Education Requirement: Natural Science Course	3-5
**ELECTIVE Course of Choice	3-5
**ELECTIVE Course of Choice	3-5
<u>Fourth Semester</u>	
C S 24B Advanced COBOL Programming	3
OR	
C S 28B Visual BASIC Programming	3
OR	
C S 31B C++ Programming	3
*ELECTIVE General Education Requirement: Humanities Course	3-5
*ELECTIVE General Education Requirement: Contemporary Perspectives Course	3-5
**ELECTIVE Course of Choice	3-5
**ELECTIVE Course of Choice	3-5
Total Units Required: 60 - 82	

*ELECTIVE
Courses must be selected from the appropriate area of the General Education requirements for the Associate degree.

**ELECTIVE
Any courses that are Associate degree applicable.

Major in CONSTRUCTION MANAGEMENT TECHNOLOGY

First Semester	Units
ARCH 1 Basic Architectural Drafting	3
ARCH 8 Materials of Construction	3
C S 11 Fundamentals of Computer Science	3
ENG 1A Written Communications	3
*ELECTIVE General Education Requirement: Natural Science Course	3-5
<u>Second Semester</u>	
ARCH 12 Computer Aided Drafting	3
CONST 54 Estimating and Specifications	3
CONST 89 Methods and Planning	3
MATH 82 Intermediate Algebra	4
*ELECTIVE General Education Requirement: Social Science, Group A, Course	3
<u>Third Semester</u>	
BUS 18A Business Law	3
BUS/CS 14 Microcomputers and Small Business Systems	3
CONST 78 The Uniform Building Code	2
BUS 60 Small Business Management	3
OR	
BUS 90A,B,C Small Business Start-Up	3
*ELECTIVE General Education Requirement: Humanities Course	3-5
<u>Fourth Semester</u>	
E TECH 46 Mechanical and Electrical Systems	3
INDUS 20 Industrial Safety and Health	3
BUS 10A Bookkeeping	3
SPCH 1A Fundamentals of Speech	3
*ELECTIVE General Education Requirement: Social Science, Group B, Course	3
Total Units Required: 60-64	

*ELECTIVES
Courses must be selected from the appropriate area of the General Education requirements for the Associate degree.

Major in CORRECTIONAL SCIENCE

<u>First Semester</u>	<u>Units</u>
A J 22 Concepts of Criminal Law	3
A J 51 Introduction to Correctional Science	3
ENG 1A Written Communications	3
SOCIO 1A Introduction to Sociology	3
ELECTIVE Elective Course	3

<u>Second Semester</u>	<u>Units</u>
A J 55 Control and Supervision in Corrections	3
A J 57 Legal Aspects of Corrections	3
HIST 17A History of The United States	3
OR	
HIST 17B History of The United States	3
OR	
POLSC 1 American Government and Institutions	3
SPCH 1A Fundamentals of Speech	3
ELECTIVE Elective Course	3

<u>Third Semester</u>	<u>Units</u>
A J 31 Report Preparation	3
A J 53 Correctional Interviewing and Interventions	3
MATH 82 Intermediate Algebra	4
C S 11 Fundamentals of Computer Science	3
ELECTIVE Elective Course	2

<u>Fourth Semester</u>	<u>Units</u>
A J 28 Juvenile Law and Procedures	3
OR	
A J 54 Introduction to Probation and Parole	3
A J 41 Narcotics Investigation and Control	3
•GEN EDUC REQ Course meeting the Humanities Requirement	3
••GEN EDUC REQ Course meeting the Natural Science Requirement	3-4
ELECTIVE Elective Course	3

Total Units Required: 60-61

•A course selected from the Humanities area of the General Education requirements for the Associate degree.

••A course selected from the Natural Science area of the General Education requirements for the Associate degree.

Major in CULINARY ARTS

<u>First Semester</u>	<u>Units</u>
CUL ART 1 Introduction to The Hospitality Industry	2
CUL ART 4 Food and Beverage Cost Technology	2
CUL ART 5 Commercial Food Preparation	4
CUL ART 7 Baking	3
•ELECTIVE General Education Requirement Course	3

<u>Second Semester</u>	<u>Units</u>
CUL ART 9 Restaurant Operations	6.5
CUL ART 11 Menu Planning	1.5
CUL ART 13 Purchasing and Receiving	1.5
CUL ART 25 Food Service Management	2
•ELECTIVE General Education Requirement Course	3

<u>Third Semester</u>	<u>Units</u>
CUL ART 3 Safety and Sanitation	2
CUL ART 19 Kitchen Management	6.5
CUL ART 27 Garde Manger	1.5
CUL ART 29 Beverage Management	1.5
H EC 93V Work Experience: Home Economics	1
FCS 6 Nutrition	3

<u>Fourth Semester</u>	<u>Units</u>
•ELECTIVES General Education Requirement Courses	<u>16</u>
Total Units Required: 60	

•Courses that fulfill the General Education requirements for the Associate degree in the following categories:

- Social Sciences
- Humanities
- Learning Skills
- Contemporary Perspectives

Major in ENGINEERING TECHNOLOGY

<u>First Semester</u>	Units
ENGR 1 Introduction to Engineering and Technology	3
E TECH 11 Engineering Drafting	3
E TECH 12 Computer Aided Drafting	3
E TECH 13 Engineering Drafting Skills	3

<u>Second Semester</u>	Units
ENGR 2 Engineering Graphics	3
E TECH 20 Materials and Measurements	3
E TECH 22 Three Dimensional Modeling	3
E TECH 26 Technical Statics	3
OR	
E TECH 76 Applied Statics	3

<u>Third Semester</u>	Units
E TECH 31 Fundamentals of Civil Drafting	3
E TECH 34 Machine Drafting	3
E TECH 35 Machine Design	3
E TECH 80 Applied Surveying	3
MECH 15 Machine Tool Process (mechanical students only)	0-3

<u>Fourth Semester</u>	Units
E TECH 46 Mechanical and Electrical Systems	3
AND completion of all the courses in ONE of the specialization elective options shown below:	
<u>CIVIL</u>	
E TECH 41 Civil Drafting: Site Design	4
OR	
<u>ELECTRO-MECHANICAL</u>	
E TECH 47 Control Systems	2
ELECT 11 AC and DC Network Analysis	4.5
OR	
<u>MECHANICAL</u>	
E TECH 45 Practical Machine Design	3
E TECH 47 Control Systems	2

NOTE THE FOLLOWING GENERAL EDUCATION REQUIREMENTS:

In addition to the above required courses for the Associate in Science degree with a major in Engineering Technology, the General Education requirements for the Associate degree must be satisfied as noted below:

NATURAL SCIENCE	
One Course Minimum	3-5
SOCIAL SCIENCE	
One Course Minimum from Group A	3
One Course Minimum from Group B	3
HUMANITIES	
One Course Minimum	3-5
LEARNING SKILLS	
One Course Minimum from Group A	3-5
One Course Minimum from Group B	3-5
One Course Minimum from Group C	3
CONT. PERSPECTIVES	
One Course Minimum	3
Total Units Required: 67-80.5	

Major in LAW ENFORCEMENT

<u>First Semester Courses</u>	Units
A J 21 Criminal Justice in Society	3
A J 22 Concepts of Criminal Law	3
ENG 1A Written Communications	3
SOCIO 1A Introduction to Sociology	3
ELECTIVE Elective Course	3

<u>Second Semester</u>	Units
A J 23 Principles and Procedures of The Justice System	3
A J 24 Legal Aspects of Corrections	3
HIST 17A History of The United States	3
OR	
HIST 17B History of The United States	3
OR	
POLSC 1 American Government and Institutions	3
SPCH 1A Fundamentals of Speech	3
ELECTIVE Elective Course	3

<u>Third Semester</u>	Units
A J 25 Criminal Investigation	3
A J 31 Report Preparation	3
MATH 82 Intermediate Algebra	4
C S 11 Fundamentals of Computer Science	3
ELECTIVE Elective Course	2

<u>Fourth Semester</u>	Units
A J 28 Juvenile Law and Procedures	3
OR	
A J 54 Introduction to Probation and Parole	3
A J 40 Community Relations	3
•GEN EDUC Course meeting the Humanities Requirement	3
••GEN EDUC Course meeting the Natural Science Requirement	3-4
ELECTIVE Elective Course	3

Total Units Required: 60-61

•A course selected from the Humanities area of the General Education requirements for the Associate degree.

••A course selected from the Natural Science area of the General Education requirements for the Associate degree.

NOTE: A minimum of 60 units is required for the Associate degree.

Major in NURSING Associate Degree Nursing (ADN)

<u>Prerequisites</u>	<u>Courses</u>	<u>Units</u>
ANAT 2	Anatomy and Physiology	6
MICRO 2	Introduction to Medical Microbiology	4
FCS	Nutrition	3

<u>First Semester</u>		
NURS 1	Fundamentals of Nursing	4.5
NURS 2	Introductory Medical-Surgical Nursing	4.5
NURS 3	Administration of Medications	3
ENG 1A	Written Communication	3

<u>Second Semester</u>		
NURS 4	Beginning Medical-Surgical Nursing	5.5
NURS 5	Mental Health Nursing	4
PSYCH 1	Introduction to Psychology	3
SOCIO 1B	Problems of a Changing Society	3

<u>Third Semester</u>		
NURS 6	Nursing The Childrearing Family	4
NURS 7	Intermediate Medical-Surgical Nursing	5.5
SPCH 1A	Fundamentals of Speech	3

<u>Fourth Semester</u>		
NURS 8	Nursing The Childbearing Family	4
NURS 9	Advanced Medical-Surgical Nursing	5
•ELECTIVE	See Group 1	3
••HUM	See Group 2	3 - 5

Total Units Required: 71 - 73

•Group I (Electives)

(one course from the following)

HIST 17A	History of The U. S.	3
HIST 17B	History of The U. S.	3
HIST 27	Women in History	3
HIST 30A	African-American History	3
HIST 30B	African-American History	3
HIST 31	Mexican-American History	3
HIST 34	Asian-Pacific American History	3
POLSC 1	American Government and Institutions	3

••Group 2 (Humanities)

(minimum of 3 units from the following)

ANTHRO 4	Introduction to Linguistics	3
FOR LANG 1	Elementary	5
FOR LANG 51	Elementary	2.5
FOR LANG 52	Elementary	2.5
PHILO 6	Introduction to Philosophy	3

NOTE: All non-nursing courses may be taken prior to admission to the Nursing program.

Major in OFFICE MANAGEMENT (Proposed, Pending Approval)

<u>First Semester</u>		<u>Units</u>
BIM 1A	Beginning Keyboarding	1.5
AND		
BIM 1B	Exploring Word Processing	1.5
OR		
BIM 2	Intermediate Keyboarding	3.5
BIM 31	Electronic Calculation	3
OR		
BIM 32A,B,C	Beginning, Intermediate, and Advanced Office Calculation	3
C S 20	MicroSoft Word, Excel, and Access	3
ENG 79	Preparatory English	5
OR		
ENG 1A	Written Communications	3
*ELECTIVE	General Education Requirement: Humanities Course	3-5

<u>Second Semester</u>		
BUS 10A	Bookkeeping	3
OR		
BUS 1A	Principles of Accounting	5
BUS 8	Introduction to The American Legal System	3
OR		
BUS 20	Introduction to Business	3
SPCH 1A	Fundamentals of Speech	3
*ELECTIVE	General Education Requirement: Natural Science Course	3-5

<u>Third Semester</u>		
BIM 38	Office Technologies	3
BIM 7A	Beginning Word Processing: Concepts and Applications	3
BUS 17A	Beginning Business Communications	3
BUS 35/CS 35	Multimedia Presentations	3
*ELECTIVE	General Education Requirement: Learning Skills, Group B, Course	3-5

<u>Fourth Semester</u>		
BIM 39	Office Management	3
BUS 17B	Advanced Business Communications	3
ECON 1A	Principles of Economics	3
*ELECTIVE	General Education Requirement: Social Science, Group A, Course	3
**ELECTIVE	Course of Choice	0-6

Total Units Required: 60 - 64.5

*ELECTIVE
Courses must be selected from the appropriate area of the General Education requirements for the Associate degree.

**ELECTIVE
Any courses that are Associate degree applicable.