

ASSOCIATE IN SCIENCE

Major Requirements for an A.S. Degree

The student shall complete a discipline-specific major which will require an approved program of study with a minimum of 18 units of course work as specified in the College Catalog.

The General Education Requirements

Students must complete one of the following General Education patterns:

Completion of San Joaquin Delta College Associate Degree General Education pattern with a minimum of twenty-four (24) semester units.

OR

Completion of California State University General Education pattern.

OR

Completion of the Intersegmental General Education Transfer Curriculum (IGETC/CSU) General Education pattern.

Students planning to transfer should see a counselor to choose the appropriate courses to complete the entire CSU or IGETC General Education pattern.

Unit Requirement

Completion of not less than sixty (60) associate degree applicable semester units of course work with not less than a 2.0 cumulative grade point average.

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 (IV Learning Skills). *

Residence Requirement

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

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

OR

A total of at least twenty-four (24) units.

Units earned through Credit by Examination do not apply.

* "C-" grade is not acceptable.

A.S. Degree Majors:

- Accounting
- Agricultural Business
- Architecture Drafting
- Baking & Pastry
- Caterpillar Dealer Service Technician, Apprenticeship
- Communication: Speech & Language Pathology Assistant
- Computer Networking Technology
- Computer Science
- Correctional Science
- Culinary Arts
- Diesel Equipment Technician
- Engineering Technology (Civil, Electro-Mechanical, or Mechanical)
- Fire Science
- Fluid Power & Automation Technology
- Heating & Air Conditioning - Refrigeration
- Heavy Equipment Technician
- Law Enforcement
- Network Software
- Nursing, R.N.
- Office Management
- Ornamental Horticulture

Limitation on Enrollment

Limitation on enrollment is 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, Caterpillar Dealer Service Technician, Fire Academy, Peace Officer Academy, Psychiatric Technician, Radiologic Technology, and Speech-Language Pathology Assistant).

AS Degree - Major in CATERPILLAR DEALER SERVICE TECHNICIAN Apprenticeship

Applied Science & Technology

Upon successful completion of the Caterpillar Dealer Service Technician AS Degree Apprenticeship program, the apprentice will be prepared for completion of the related and supplemental instruction component of the State approved San Joaquin Valley Automotive Technician Apprenticeship Program. The apprentice is awarded a Journey Level Certificate from the State Division of Apprenticeship Standards upon completion of 7600 hours of On-The-Job training and satisfactory employer reports. The apprentices are qualified to perform service, maintenance, repairs and troubleshooting of diesel engines, transmissions, drive trains, transaxles, brakes, suspensions, steering systems, charging systems, electrical systems, electronic engine controls, fuel management controls, computer control systems and air conditioning systems on Caterpillar tractors and heavy equipment.

Total Units Required: 78-87

Recommended Sequence:

<u>First Semester (Fall)</u>		<u>Units</u>
CAT 080	Caterpillar Service Industry	3
CAT 081	Caterpillar Engine Fundamentals	4
AGEGR 021	Agricultural Welding	2
GE CHOICE	Learning Skills, Group B Course	3-5
CAT 069V	Internship: Heavy Equipment- Caterpillar	4

Second Semester (Spring)

CAT 082	Fundamentals of Hydraulics	3
CAT 083	Caterpillar Engine Fuel Systems	3
CAT 084	Fundamentals of Electrical Systems	3
GE CHOICE	Learning Skills, Group A Course	3-6
CAT 069V	Internship: Heavy Equipment- Caterpillar	4

Third Semester (Summer)

CAT 085	Caterpillar Air Conditioning	2
CAT 086	Fundamentals of Caterpillar Power Trains	3
CAT 087	Caterpillar Machine Hydraulic Systems	3

Fourth Semester (Fall)

CAT 069V	Internship: Heavy Equipment- Caterpillar	4
CAT 090	Caterpillar Undercarriage and Final Drive	3
CAT 091	Caterpillar Machine Electronic Systems	3
GE CHOICE	Learning Skills, Group C Course	3
GE CHOICE	Natural Sciences Course	3-5

Fifth Semester (Spring)

CAT 069V	Internship: Heavy Equipment- Caterpillar	4
CAT 092	Caterpillar Engine Performance	2
CAT 093	Caterpillar Diagnostic Testing	2
CAT 094	Caterpillar Machine Specific Systems	2
GE CHOICE	Social Science, Group A Course	3
GE CHOICE	Social Science, Group B Course	3

Sixth Semester (Summer)

GE CHOICE	Humanities Course	3-5
GE CHOICE	Contemporary Perspectives Course	3

A grade of "C" or better is required in each course.

AS Degree - Major in COMMUNICATION: SPEECH LANGUAGE PATHOLOGY ASSISTANT (SLPA)

Communication Skills Division

Upon successful completion of the certificate, the student demonstrates skills, knowledge and training to conduct speech-language screening, without interpretation, and using screening protocols developed by the supervising speech-language pathologist; provide direct treatment assistance to patients or clients under the supervision of a speech-language pathologist; follow implementing documented treatment plans or protocols developed by a supervising speech-language pathologist; document patient or client progress toward meeting established objectives; report the information to a supervising speech-language pathologist; assist a speech-language pathologist during assessments, including, but not limited to, assisting with formal documentation, preparing materials, and performing clerical duties; schedule activities and prepare charts, records, graphs, and data; perform checks and maintain equipment, including, but not limited to, augmentative communication devices; and assist with speech-language pathology research projects, in-service training, and family or community education.

Total Units Required: 61.5

Recommended Sequence:

<u>First Semester</u>		<u>Units</u>
MATH 082	Intermediate Algebra	4
COMM 001	Communication Disorders: Speech & Language Development	3
COMM 002	Communication Disorders: Introduction to Speech Pathology & Audiology	3
ENG 001A	Written Communications	3
PE 001D	Beginning Swimming for Health	1.5-2
COM ST 007	Intercultural Communication	3

Second Semester

BIOL 011	Human Biology	4
COMM 003	Communication Disorders: Therapy Analysis & Field Practice	4
FCS 034	Children with Special Needs	3
PE 009A	Beginning Individual Conditioning	1.5-2
COM ST 003	Interpersonal Communication	3

Third Semester

<u>Third Semester</u>		<u>Units</u>
COMM 005	Communication Disorders: Materials & Procedures for SLPA's	3
FCS 021	Early Childhood Development	3
HUM 004	Introduction to Linguistics	3
POLSC 001	American Government & Institutions	3
PSYCH 001	Introduction to Psychology	3

Fourth Semester

BIM 038	Office Technologies	3
OR		
BIM 039	Office Management	3
OR		
BIM 042	Records Management & Filing	3
COMM 007	Communication Disorders: Service Delivery Issues for SLPA's	3
COMM 009	Communication Disorders: Assessment & Remediation	3
FCS 019	Human Development	3
SL 022	Elementary American Sign Language	3

NOTE: Please refer to page 63 for program Special Admission Requirement information.