



# Aircraft Maintenance Powerplant A.S. Degree

This program map represents one possible path for completing this program. **Please see a counselor** to create an educational plan that is customized to meet your needs. This path is not a guarantee of course availability or financial aid applicability.

**Catalog:** 2024-25

**Total Units:** 75-77

## First Year

### Semester 1 (Fall)

19 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	AMTP 309	Introduction to Aircraft Mechanics	2	
Maj	AMTP 200 <sup>+</sup>	Certificated Aircraft Mechanic Preparation	1	
Maj	AMTP 300 <sup>+</sup> ^	Basic Electricity Fundamentals	2.5	
Maj	AMTP 301 <sup>+</sup> ^	Basic Electricity Applications	1.5	
Maj	AMTP 302 <sup>+</sup>	Basic Electrical Systems Fundamentals	2.5	
Maj	AMTP 303 <sup>+</sup> ^	Basic Electrical Systems Applications	1.5	
Maj	AMTP 304 <sup>+</sup>	Aircraft Sheetmetal Fabrication Fundamentals	2.5	
Maj	AMTP 305 <sup>+</sup> ^	Aircraft Sheetmetal Fabrication Applications	1.5	
Maj	AMTP 306 <sup>+</sup>	Nondestructive Testing and Materials Fundamentals	2.5	
Maj	AMTP 307 <sup>+</sup> ^	Nondestructive Testing and Materials Processes Applications	1.5	

**+Prerequisite for AMTP 200 & 300:** Completion of AMTP 309 with a grade of "C" or better

**+Prerequisite for AMTP 301:** Completion of AMTP 309 with a grade of "C" or better; Concurrent enrollment in AMTP 300

**+Prerequisite for AMTP 302:** Completion of AMTP 300 & 301 with a grade of "C" or better

**+Prerequisite for AMTP 303:** Completion of AMTP 300 & 301 with a grade of "C" or better; Concurrent enrollment in AMTP 302

**+Prerequisite for AMTP 304:** Completion of AMTP 302 & 303 with a grade of "C" or better

**+Prerequisite for AMTP 305:** Completion of AMTP 302 & 303 with a grade of "C" or better; Concurrent enrollment in AMTP 304

**+Prerequisite for AMTP 306:** Completion of AMTP 304 & 305 with a grade of "C" or better

**+Prerequisite for AMTP 307:** Completion of AMTP 304 & 305 with a grade of "C" or better; Concurrent enrollment in AMTP 306

**^Corequisite for AMTP 300, 301, 303, 305 & 307:** AMTP 200

### Semester 2 (Spring)

17 Units

### Legend

- (H) - Honors
- Elec - Elective
- GE - General Education
- Maj - Required Core
- ME - Major Elective

### Disclaimer

Every effort has been made to ensure that what is listed in the SCC Program Paths are accurate. The courses, the course sequencing, and the programs are subject to change without notice by the administration of the Los Rios Community College District and Sacramento City College at the discretion of the district and Sacramento City College. Further, Sacramento City College reserves the right to amend any course or program.

**PLEASE SEE AN SCC COUNSELOR.**

### AA/AS Requirements

**Associate Degrees require the following:**

1. Completion of a minimum of 60 degree-applicable units with an overall grade point average (GPA) of 2.0 ("C" average). A minimum of 12 units must be completed at Sacramento City College.
2. Completion of each required course with a grade of "C" or better for a major offered at Sacramento City College.
3. Completion of Sacramento City College's general education requirements â€" Area I; Area II(a) and II(b); Area III(a) and III(b), or Area III(c); Area IV; Area V; and Area VI â€" with an overall 2.0 GPA.
4. Completion of all three competency requirements (reading, writing, and mathematics).

Students with Advanced Placement (AP) and International Baccalaureate Credit (IB) test scores should notify their Counselor to learn more about how test scores may be used for credit.

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	AMTP 200 <sup>+</sup>	Certificated Aircraft Mechanic Preparation	1	
Maj	AMTP 310 <sup>+</sup>	Powerplant Theory and Maintenance Fundamentals - Reciprocating Engines	2.5	
Maj	AMTP 311 <sup>+^</sup>	Powerplant Overhaul Applications - Reciprocating Engines	1.5	
Maj	AMTP 312 <sup>+</sup>	Powerplant Theory - Turbine Engine Fundamentals	2.5	
Maj	AMTP 313 <sup>+^</sup>	Powerplant Overhaul- Turbine Engines Applications	1.5	
Maj	AMTP 314 <sup>+</sup>	Reciprocating Powerplant Systems and Components Fundamentals	2.5	
Maj	AMTP 315 <sup>+^</sup>	Reciprocating Powerplant Systems and Components Applications	1.5	
Maj	AMTP 316 <sup>+</sup>	Aircraft Propellers and Propeller Systems Fundamentals	2.5	
Maj	AMTP 317 <sup>+^</sup>	Aircraft Propellers and Propeller Systems Applications	1.5	

**+Prerequisite for AMTP 200 & 310:** Completion of AMTP 309 with a grade of "C" or better

**+Prerequisite for AMTP 311:** Completion of AMTP 309 with a grade of "C" or better; Concurrent enrollment in AMTP 310

**+Prerequisite for AMTP 312:** Completion of AMTP 310 & 311 with a grade of "C" or better

**+Prerequisite for AMTP 313:** Completion of AMTP 310 & 311 with a grade of "C" or better; Concurrent enrollment in AMTP 312

**+Prerequisite for AMTP 314:** Completion of AMTP 312 & 313 with a grade of "C" or better

**+Prerequisite for AMTP 315:** Completion of AMTP 312 & 313 with a grade of "C" or better; Concurrent enrollment in AMTP 314

**+Prerequisite for AMTP 316:** Completion of AMTP 314 & 315 with a grade of "C" or better

**+Prerequisite for AMTP 317:** Completion of AMTP 314 & 315 with a grade of "C" or better; Concurrent enrollment in AMTP 316

**^Corequisite for AMTP 311, 313, 315 & 317:** AMTP 200

**Exception:** Students who possess a bachelor's (BA/BS) or higher degree from a college or university accredited through a regional accrediting agency recognized by the Council for Higher Education Accreditation (CHEA) are deemed to have satisfied both the general education and graduation competency requirements for an AA/AS degree. Degrees from accredited institutions outside of the US will be evaluated on a case-by-case basis.

## Placement Information

Support courses required for English and Math per placement. **Check your e-Services account under "Academic Records" to determine your placements.**

## Important Links

- [SCC General Counseling](#)
- [Aircraft Maintenance Technician](#)
- [Business & Industry Meta Majors](#)

# Second Year

## Semester 3 (Fall)

10-12 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
GE	ENGWR 300 <sup>*</sup> / 488 <sup>H</sup> / ESLW 340	College Composition	3-4	I/A
GE	STAT 300 <sup>**</sup> / 480 <sup>H</sup>	Introduction to Probability and Statistics	4	IIB
GE		Life Development Skills	2-3	IIIB

CAT.	COURSE	TITLE	UNIT	AA/AS GE
GE		Physical Education	1	IIIA

\*If you don't place directly in ENGWR 300 (check your e-Services account), you will need to take ENGWR 80/ENGWR 300 combo course.

\*\*If you don't place directly in STAT 300 (check your e-Services account), you will need to take STAT 10/STAT 300 combo course.

## Semester 4 (Spring)

17 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	AMTP 200 <sup>+</sup>	Certificated Aircraft Mechanic Preparation	1	
Maj	AMTP 330 <sup>+</sup>	Aircraft Inspection Fundamentals	2.5	
Maj	AMTP 331 <sup>+^</sup>	Aircraft Inspection Applications	1.5	
PreReq	AMTP 332 <sup>+</sup>	Ground Operations and Aircraft Structures Fundamentals	2.5	
PreReq	AMTP 333 <sup>+^</sup>	Ground Operations and Aircraft Structures Applications	1.5	
PreReq	AMTP 334 <sup>+</sup>	Aircraft Communication and Navigation Fundamentals	2.5	
PreReq	AMTP 335 <sup>+^</sup>	Aircraft Communication and Navigation Applications	1.5	
Maj	AMTP 336 <sup>+</sup>	Federal Aviation Administration Regulations and Form Fundamentals	2.5	
Maj	AMTP 337 <sup>+^</sup>	Federal Aviation Administration Regulations and Form Applications	1.5	

**+Prerequisite for AMTP 200:** Completion of AMTP 309 with a grade of "C" or better

**+Prerequisite for AMTP 330:** Completion of AMTP 306, 307, 316 & 317 with a grade of "C" or better

**+Prerequisite for AMTP 331:** Completion of AMTP 306, 307, 316 & 317 with a grade of "C" or better; Concurrent enrollment in AMTP 330

**+Prerequisite for AMTP 332:** Completion of AMTP 330 & 331 with a grade of "C" or better

**+Prerequisite for AMTP 333:** Completion of AMTP 330 & 331 with a grade of "C" or better; Concurrent enrollment in AMTP 332

**+Prerequisite for AMTP 334:** Completion of AMTP 332 & 333 with a grade of "C" or better

**+Prerequisite for AMTP 335:** Completion of AMTP 332 & 333 with a grade of "C" or better; Concurrent enrollment in AMTP 334

**+Prerequisite for AMTP 336:** Completion of AMTP 334 & 335 with a grade of "C" or better

**+Prerequisite for AMTP 337:** Completion of AMTP 334 & 335 with a grade of "C" or better; Concurrent enrollment in AMTP 336

**^Corequisite for AMTP 331, 333, 335, & 337:** AMTP 200

Third Year				
Semester 5 (Fall)			12 Units	
CAT.	COURSE	TITLE	UNIT	AA/AS GE
GE		Social & Behavioral Sciences	3	VB
GE		Natural Sciences	3	IV
GE	HIST 310 / 311 / 320 / 321 / 327 / 483 <sup>H</sup> / 484 <sup>H</sup> / 485 <sup>H</sup> / 486 <sup>H</sup> / 487 <sup>H</sup>	American Institutions/Ethnic - Multicultural Studies	3	VA/VI
GE		Humanities	3	I