



SOLANO
COMMUNITY COLLEGE

Aeronautics (AERO)

Student Education Plan – First Semester

First Name:	Last Name:
Solano Student ID#:	Major:
Educational Goal:	GE Option:

Course	Yes	No
AERO 055 (suggested) or AERO 106 (AERO 106 for Powerplant Maintenance Technician or combined degree/cert)		
ENGL 001 and LR 010		
Other (Please specify)		

Counselor Name (if known):	Date:
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For Counselor Use Only - Notes:

Course descriptions below

AERO 055 – Aviation Maintenance Technician General I

Presents the fundamentals necessary for the advanced study in Aeronautics. It will define the history of aviation and powerplant operation, and the study of flight: aircraft weight and balance, ground operation and servicing, mathematics, maintenance forms and records, basic physics, maintenance publication, and mechanic privileges and limitation. Safety is stressed throughout the course. In addition, this course is a study of the methods and processes used in the production of an aircraft, including shop safety. The course includes fundamentals in the use of hand tools and power equipment, aircraft drawings, cleaning, corrosion control; and the processes used by the manufacturers for aircraft construction.

AERO 106 – Powerplant Maintenance I

Designed to acquaint the student with reciprocating engines. The course includes study in the fundamentals of basic engine design, types and materials of construction, nomenclature, repair, overhaul and servicing, maintainability and reliability concepts.

ENGL 001 – College Composition

A writing course which emphasizes critical reading, expository and argumentative writing, and mastery of library research techniques. It includes instruction and practice in critical thinking, in analytical reading and evaluation of written work, and in the methods of clearly communicating and supporting ideas in organized, coherent essays (min 750 words each). Students are required to write an average of 7500 formal words, including a research paper, based on essays, literature read in class, personal experience, and college-level research.

This course is required for the Associate's Degree, but not for the Certificate of Achievement

LR 010 – Information Skills for College and Beyond

Introduction to information literacy skills necessary for academic, career, and personal life success in the digital age. Psychological, sociological, and physiological implications of information on daily life, education, work, and social relationships will be explored. Critical skills helpful for managing information needs in college, career, and lifelong learning will be emphasized.

This course must be taken with ENGL 001

ENGL 310D – Advanced English Skills Lab

Intensive instruction in advanced reading and writing skills for students who are currently taking ENGL 001 or other transfer-level content courses. This class is designed to help students further hone their craft as writers and readers. Success in this lab will be based on attendance and satisfactory completion of in-class reading and writing assignments. This is a pass/no pass course.