MESA Engineering Program—SJSU

Aviation—Operations (120 units)

Fall 2020 Catalog

Supplemental	Core GE

English

- ENGL 1AS (3) → GE Area A3 (3) + Core GE & WST
- ENGL 1A (3) → ENGL 1A (3)

Math

- Math 18A (3) + 18AW → B → Math 19 + Math 1019S (6)
- Math 01 (3)

ENGR

- ENGR 8 (1)

Note:

*ENGR 100W must be passed with "C" or better

*Junior Standing and Instructor Consent Required

Core GE Check List:

Basic Skills (9 units)
- ☐ A1: _____(3)
- ☐ A2: English 1A_____3)
- ☐ A3: _____(3)

Humanities (9 units)
- ☐ C1: _____(3)
- ☐ C2: _____ (3)
- ☐ C3: _____(3)

Social Science (9 units)
- ☑ D1: _____3)
- ☐ D2: _____(3)
- ☐ D3: _____(3)

Human Dev. (9 units)
- ☐ E: _____(3)

American Inst. (6 units)
- ☐ US1: _____(3)
- ☐ US2: _____(3)
- ☐ US3: _____(3)

Math 71 (3) or Math 71X (3) or Math 30 (3) or Math 30X (3) → BUS1 20 (3) or BUS1 20N (3); BUS2 90 (3) Business Statistics; AVIA 193 (3) Aerodynamics (PHYS 2A↗); AVIA 31 (3) Aircraft Theory & Design (PHYS 2A ↗)

Engr 100W (3) (GE Area Z & R) → BUS3 186 (3) (GE Area S) ~~(GE Area S)~~; AVIA 198 (3) (GE Area V)

Select One
- AVIA 177 (3) General Aviation Operations & Mngt.
- OR
- AVIA 179 (3) Advanced Airport Planning & Management
- OR
- *AVIA 195 (1-6) Internship with the Aviation Industry

AVIA 78 (3) Intro to Aviation Management → AVIA 173 (3) Aviation Law; AVIA 178 (3) Airport Planning & Management; AVIA 176 (3) Airline Operations &

CHEM 1A (5) General Chemistry I

PHYS 2A (4) Physics Fundamentals → PHYS 2B (4) Physics Fundamentals

AVIA 1 (3) Intro to Aviation → AVIA 31 (3); AVIA 42 (3) Aircraft Systems; AVIA 43 (3) Propulsion Theory; AVIA 128 (3) Safety & Security; AVIA 73 (3) Air Traffic Control

AVIA 42 (3) → AVIA 68 (3) Avionics & Airborne Communication; AVIA 194 (3) Pilot Avionics & General Aviation Systems

AVIA 43 (3) → AVIA 194 (3); AVIA 91 (3) Aircraft Turbine Engines

AVIA 141 (3) Human Factors in the Aviation Environment

AVIA 110 (3) Aviation Meteorology

AVIA 190 (3) Senior Capstone Seminar

NOTE: To qualify for a baccalaureate degree in Aviation, students must earn a grade of "C-" or better in each required major and preparation course.

- Pre-requisite (↗ Additional Req.)
- Co-requisite (↗ Additional Req.)
- English 1A Readiness Required
- Math 19 Readiness Required
- **Generals Education**

Additional Requirements:

Major Elective ☐ _____(8 units) or ☐ Avia 62 (3), ☐ Avia 112 (3) & ☐ _____(2 units)

SJSU Studies: 9 units

☑ **R&Z: Engr 100W (3)** ☑ **Area S: BUS3 186 (3)** ☑ **Area V: AVIA 198 (3)**

Disclaimer: This chart is only a reference and not an official document from the college/department. Always consult your with major advisor

Revised: Summer 2019 (BSC) /Original by: MESA Engineering Program-SJSU (2014)