Aerospace Engineering (120 units)

Core GE

- ENGL 1A (3) + WST & Core GE
- Math 1001S
- Math 19 + Math 30 or Math 30P
- ENGR 8 (3) (GE Area E)
- ENGR 10W (3) (GE Area R &Z)
- Math 30W (2)
- Chem 1A (5)
- Mate 25 (3) Intro to Materials
- Math 31 (3)
- Math 31W (4)
- Math 133A (3)
- Math 129A
- ENGR 100W (3) (GE Area R &Z)
- AE 160 (3) Aerodynamics I
- AE 169 (3) Comp Fluid Dynamics
- AE 164 (3) Aerothermodynamics
- AE 167 (3) Propulsion
- AE 112 (4) AE Structural Analysis
- AE 114 (3) Structural Analysis 2
- AE 138 (3) Vector Dynamics
- EE 98 (3) Intro to Circuits
- AE 157 (3) AE Control Systems
- AE 165 (3) Flight Mechanics
- AE 164 (3) Rigid Body Dynamics
- AE 168 (3) Dynamics & Controls

Additional Requirements:

1) Capstone & SJSU Studies (S & V)*:
   - Option 1: Aircraft [AE 171A + ENGR 195A] & (AE 171B + ENGR 195B) or...
   - Option 2: Spacecraft [AE 172A + ENGR 195A] & (AE 172B + ENGR 195B)
2) Technical Elective Courses: Select One
   - AE 110 (Space Systems Engr.)
   - AE 142 (Astrodynamics)
   - AE 166 (Rocketry)
   - AE 173 (UAV Design)

Pre-requisite Co-requisite
- ENGR 10 Pre-Requisite
- ENGR 10 Pre-Requisite
- W-I and W-II (Eng 1A satisfied)
- M-I, M-II and M-III (Math 19 eligible)

General Education

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

ABOUT SJSU Studies Area S & V:
To satisfy GE areas S & V student must complete all course in selected capstone option.