MESA Engineering Program—SJSU

IT—Computer Electronics (120 Units)

Fall 2018 Catalog

Developmental	Core GE
ENGL 1AS (3)	Engl. 1B (3) + Core GE + WST
ENGL 1AF (3)	ENGL. 1A (3)
Math 1001S	Math 19 + 19W (6)
Math 1	
ENGR 8 (1)	ENGR 10 (3) (GE Area E)

English

Mathematics

Engineering

General Education

GE Check List:

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

Humanities (9 units)
- ☐ C1: _____(3)
- ☑ C2: ENGL 1B 3)
- ☐ C3: _____(3)

Social Science (9 units)
- ☑ D1: Econ 1B (4)
- ☐ D2: _____(3)
- ☐ D3: _____(3)

Human Dev. (9 units)
- ☑E: * Engineering 10 *(3)

Social Science (9 units)
- ☐ US1: _____(3)
- ☐ US2: _____(3)
- ☐ US3: _____(3)

Math 71 OR Math 30/30p + workshop (4)

Engr 100W (3) (GE Area R &Z)

Tech 198 (3) Tech & Civ. (GE V)

BUS3 186 (3) BUS Ethics (GE S)

Tech 63 (3) Analog & Dig. Circuits

Tech 60 (3) Intro to Electronics

Tech 165 (3) Wireless Comm. Tech.

Tech 171 (3) Network Security

Tech 65 (3) Networking Theory

Tech 66 (3) Networking Admin.

Tech 67 (3) Intro IOT

Tech 68 (3) IoT Systems

Tech 170 (3) Connected Products

CMPE 30 (3) Programming

Tech 190A (3) Sr. project I

Tech 190B (3) Sr. Project II

Tech 173 (3) Cloud Computing

Tech 179 (3) Cyber Security Mngt.

ECON 1B (4)

Bus2 90 (3)

Tech 31 (2)

Tech 139 (3) Quality Mngt.

SELECT ONE:
- ☐ **Bus5 140** (3) Operations Mngt.
  OR
- ☐ **Bus5 145** (3) Global Operations Strategy

Tech 145 (3) Lean Manufacturing

Physics 2A (4)

Physics 2B (4)

CHEM 1A (5)

SELECT ONE:
- ☐ **Bus1 20N** (3) Survey Accounting
  OR
- ☐ **Bus1 20** (3) Financial Accounting

SELECT ONE:
- ☐ **Bus5 141** (3) Procurement & Supply Mngt.
  OR
- ☐ **Bus5 144** (3) Supply chain Mngt.

Bus5 142 (3) TQM

Bus3 160 (3) Org. Behavior

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

Additional Requirements:

Tech Elective Courses (1 units): ☐ _____

SJSU Studies (9 units): ☑ **R & Z:** ENGR 100W (3 units) ☑ **V:** Tech 198 (3 units) ☑ **S:** BUS3 186 (3 units)

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

Revised: Summer 2018 /Prepared by: MESA Engineering program—SJSU (2014)