MESA Engineering Program—SJSU

Computer Science (120 units)

Fall 2017 Catalog

Remedial

English

ENGL 1AF (3)

Mathematics

Math 3A (4)

Math 6A (3)

Core GE

ENGL. 1A (3) +WST

OR

ENGL 1AS (3) +WST

Math 19 + 19W (6)

General Education

Core GE Check List:

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

Math Science (9 units)
- ☐ B1: _____ (3)
- ☐ B2: _____ (3)
- ☐ B3: _____ (3)
- ☐ B4: _____ (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 Institution (6 units)
- ☐ US1: _____ (3)
- ☐ US2: _____ (3)
- ☐ US3: _____ (3)

OR

CS 100W (3) (GE Area Z + R)

Math 30/P/PL + Workshop (4/6)

Math 31 (4)

Math 129A (3)

PICK ONE
- Math 32 (3)
- OR
- Math 161A (3)
- OR
- Math 142 (3)

CS 160 (3) — CS 151

Math 42 (3)

CS 146 (3) — Math 30

CS 149 (3)

CS 47 (3)

CS 147 (3)

CS 46B (4)

CS 151 (3)

CS 152 (3)

CS 154 (3)

CS 46A (4)

PICK ONE

CS 116B (3) — CS 116A; Math 129 A & CS 146

CS 123B (3) — CS 123A; (Biol 30 & 31) OR (CS 46A & 46B)

CS 153 (3) — CS 47,146 & 154

CS 157B (3) — CS 157A; CS 146

CS 158B (3) — CS 158A; CS 146 & 147

CS 161 (3) — CS 160

CS 167B (3) — CS 157A or 167A; CS 146

CS 167C (3) — CS 157A or 167A; CS 146

↗ = Pre-requisite course NOT part of required major courses.

PICK 17 UNITS OF TECHNICAL ELECTIVES

Choose from…

- **Upper Division CS courses:** (Not taken for major)

SEE CATALOG FOR FULL COURSE LIST

- **Approve lower division CS courses:**
  - CS 72 (3): Unix
  - CS 85 (3): Computing
- **Approved Math Courses:**
  - Math 142: Combinations
  - Math 161A: Probability*
  - Math 162: Bioinformatics
  - Math 177: Optimization
  - Math 178: Modeling
  - Math 179: Graph Theory
  - Math 203: Applied Math

*May use if not used to satisfy major requirement.

KEY:

- Pre-requisite
- Co-requisite
- English 1A Readiness Required
- Math 19 Readiness Required
- **Generals Education**

Additional Requirements:

SJSU Studies: ☐ **R &Z:** CS 100W (3 units) ☐ **S:** _____ (3 units) ☐ **V:** PHIL 134 (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 2017 /Prepared by: MESA Engineering program—SJSU (2016)