**Computer Engineering Requirements** (Curriculum Redesign: 127-129)

### First Year

- **Fall**: Math 211X
- **Spring**: Math 252X

### Second Year

- **Fall**: Math 233X
- **Spring**: Math 302

### Third Year

- **Fall**: Math 207
- **Spring**: Math 253

### Fourth Year

- **Fall**
- **Spring**

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**Legend**

- **Department**
- **Course Number**
- **Prerequisites (a “C” indicates a co-requisite)**
- **Credit Hours**

**Notes**

1. It is possible to take Chem 105, Phys 211X, 212X, 213X for the Natural Sciences requirement
2. CS 201 pre/co-requisites: CS 103 or H.S. programming, Math 251c
3. EE 203 prereq: EE 102, Math 251; Co-req: Math 252c
4. EE 253 prereq: EE 203; ES 201 or CS 201; Math 252X
5. EE 333 pre/co-requisites: EE 253, WRTG 111X, WRTG 211X/12X/13X/14X
6. EE Senior Capstone Design I and II prerequisites include: EE 354, EE 444, CS 201
7. AHSSE = Arts, Humanities, Social Sciences and Ethics courses (6 courses)
   - 1 Arts, 1 Humanities, 2 Soc Sciences, 1 Art or Hum or SS, 1 Ethics
   - One of the AHSSE courses needs to be an Alaska Native 3 credit course if using Catalog Year 2019-2020 or newer

**Math Sequence**

- 251 Calculus I
- 252 Calculus II
- 253 Calculus III
- 302 Differential Equations
- 307 Discrete Mathematics

**CS Sequence**

- CS 201 is offered both semesters
- ANS/FLPA F111X
- Arts
- ANS/F202X
- ANS/ACNE/MUS F293X
- ANL/F141X
- ANL/F242X
- ANL/F251X
- ANL/F255X
- ANS/F422X
- ECON F111X*

**Alaska Native Themed Courses**

- Arts
- ANS/F111X
- ANL/F141X
- ANL/F242X
- ECON F111X*

- *Recommend ECON F111X II if it fits in schedule.