BS Software Engineering SSEN  

catalog year: 2023-2024

**SAMPLE PLAN**

This flowchart is meant as a guide. Always meet with your academic advisor to confirm.

**College of Computing**

**Michigan Technological University**

**Last Update May 2023**

**Fall Year 1**

- **CS1000 (1)** Explorations in Computing  
  F

- **MA1031/1032** ( Concurrently)
  or MA1161 (5) CALC I  
  F, S, Su

**Spring Year 1**

- **CS1121 (3)** Intro to Programming II  
  F

- **MA1160 (4) or MA1161 (5) CALC I**  
  F, S, Su

**Fall Year 2**

- **CS1122/1131 (5)**  
  F, S

- **MA2720 (4)** MA3710 or 3720  
  F, S, Su

**Spring Year 2**

- **CS2311 (3)** Discrete Structures  
  F, S

- **MA330 (3)** Linear Algebra  
  F, S, Su

**Fall Year 3**

- **CS2321 (3)** Data Structures  
  F, S, Su

- **CS3421 (3)** Comp Org  
  F, S

**Spring Year 3**

- **CS3112 (3)** Models of Comp  
  F, S

- **CS4760 (3)** User Interface &I  
  F, S, Su

**Fall Year 4**

- **CS3141 (3)** Formal Models of Comp  
  F, S

- **CS4710 (3)** SW Proc and Mgmt  
  F, S, Su

**Spring Year 4**

- **CS4711 (3)** SW Proc and Mgmt  
  F, S

- **CS4791 (3)** Sr SSEN Design I  
  OR  
  CS4760

- **CS4792 (3)** Sr SSEN Design II  
  F, S

Optional Ordering:

- **Science or Math Elective (3)** MA3xxx
- **Technical Elective (3)**
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- **Free Electives (4-8)**
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1) Lab Science Courses: Need 7 total credits, two different disciplines (BL, CH, FW, GE, PH, etc), one course must include course & lab. Pick courses off the Science Course list from the Gen Ed STEM list.

2) HASS (Humanities & Fine Arts, Social & Behavioral Sciences) electives. 6 credits must be upper division 3000-4000

**Credits**

Total 125
plus 3 units co-curricular activities