**Department of Computer Science**

**BS Computer Science-Computer Systems (SCS6)**

**SAMPLE PLAN**

*Calculus-ready students*

This Flowchart is meant as a guide only, any questions about scheduling should be brought up with your academic advisor.

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**Fall**

**Year 1**

- **CS1000 (1)** Explorations in Computing
- **MA1031/1032** (Concurrently) Programming II
- **MA1160 (4)/MA1161 (5)** CALC I

**Spring**

- **CS1121**
- **MA1160/61**
- **MA2720 (4)/MA3710 (3)** Statistics

**Year 2**

- **CS1122/1131**
- **CS1142 (3)** Programming at HW/ SW Interface
- **CS2311**
- **CS3311 (3)** Discrete Structures
- **CS2312 (3)** Data Structures
- **CS323 (3)** Intro to Databases
- **CS3425 (3)**

**Year 3**

- **CS3421**
- **CS3411 (3)** Systems Programming
- **CS3141**
- **CS3000 (2)** Ethical & Social Aspects of Comp.

**Year 4**

- **CS4471 (3)** Computer Security
- **CS4411 (3)** Operating Sys.
- **CS4461 (3)** Computer Networks

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**Optional Ordering**

- **UN1015 (3)** Composition
- **UN1025 (3)** Global Issues
- **MA1160/61**
- **MA2330 (3)** Linear Algebra

**First Year Only**

- **Lab Science (4)**
- **MA2330 (3)**
- **MA2330 (3)** Cultural/ Creative Thinking

**Credits**

- 15.5
- 16.5
- 15.5
- 15.5
- 15.5
- 15.5
- 15.5
- 15.5
- 15.5

**Total 123**

plus 3 units co-curricular activities

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1) Lab Science Courses: Need 8 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) Technical Electives: List available on CS advising site

3) HASS (Humanities & Fine Arts, Social & Behavioral Sciences) electives: 6 credits must be upper division 3000-4000 level - UN1015 and UN1025 are prerequisites for all upper division HASS courses.

4) Tech & Society: Select one of the following: SS3510, SS3511, SS3520, SS3530, SS3630, SS3800, SS3801, SS3820, SS3881, HU3701, HU3710, MA4945

Undergraduate advisor: Rekhi 221/227 Email: csadvisor@mtu.edu Sarah Kuhl