### Computer Systems Engineering

**As at May 29, 2012**

#### First Year
- **Fall**: MATH 1104 (Linear Algebra for Eng. Students), CHEM 1101 (Chemistry for Engineering Students)
- **Winter**: MATH 1005 (Calculus for Eng. Students)

#### Second Year
- **Fall**: MATH 2004 (Multivariable Calculus for Eng. Students), ELEC 2501 (Circuits and Signals)
- **Winter**: MATH 3705 (Mathematical Methods I), ELEC 2607 (Switching Circuits)

#### Third Year
- **Fall**: ECOR 3800 (Engineering Economics), STAT 3502 (Probability and Statistics)
- **Winter**: SYSC 3501 (Communication Theory)

#### Fourth Year
- **Fall**: SYSC 4507 (Computer Systems Architecture)
- **Winter**: SYSC 4907 (Engineering Project (note b))

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**Notes:**
(a) Register in SYSC 4907 if your Advisor is in SCE. Register in ELEC 4907 if your Advisor is in Electronics.
(b) 2.0 credits from: MECH 4503, ECOR 2606 or Systems and Computer (SYSC) or Electronics (ELEC) at the 3000-level or above.

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**Engineering Common Core**
- Arts and Social Sciences
- Science (Physics, Chemistry, etc)
- Systems & Computer Engineering

**Mech. & Aerospace Engineering**
- Civil and Environmental Engineering

**Electronics**
- Mathematics and Statistics

**Electives**
- Complementary Studies Elective
- Elective Engineering (note b)

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**Explored line includes approved prerequisite.**

**Courses with a designation above a course define 3rd or 4th year status as a prerequisite.**

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**Mech. & Aerospace Engineering**
- Systems & Computer Engineering

**Civil and Environmental Engineering**
- Science (Physics, Chemistry, etc)

**Electronics**
- Mathematics and Statistics

**Elective Engineering**
- Complementary Studies Elective
- Elective Engineering (note b)