

Semester 1 (Fall)	Semester 2 (Spring)	Semester 3 (Fall)	Semester 4 (Spring)	Semester 5 (Fall)	Semester 6 (Spring)	Semester 7 (Fall)	Semester 8 (Spring)
<p>APMA 1110 Single Var. Calc. (4)</p> <p>STS 1500 Science, Tech, &amp; Contemporary Issues. Society (3)</p> <p>ENGR 1624 Intro. to Engr. (4)</p> <p>CHEM 1410&amp; 1411 Intro. Chem &amp; Lab (4)</p>	<p>APMA 2120 Multivar. Calc. (4)</p> <p>CS 111X Intro. Programming (1)</p> <p>PHYS 1425 &amp; 1429 Phys I &amp; Wkshp (4)</p> <p>Science Elective I (1) (3)</p> <p>HSS Elective (3) (3)</p>	<p>APMA 2130 Ord. Diff. Eq. (4)</p> <p>SYS 2001 SE Concepts (3)</p> <p>CS 2110 Software Dev. (3)</p> <p>PHYS 2415 &amp; 2419 Phys II &amp; Wkshp (4)</p> <p>HSS Elective (3) (3)</p>	<p>APMA 3080 Linear Alg. (3)</p> <p>APMA 3100 Probability (3)</p> <p>SYS 2202 Data Mgmt. (3)</p> <p>Science Elective II (2) (3)</p> <p>STS 2/3XXX Elective (7) (3)</p>	<p>SYS 3021 Determ. Decision Models (3)</p> <p>APMA 3120 Statistics (3)</p> <p>SYS 3023 Human-Machine Interface (3)</p> <p>SYS 3055 Design Coll. I (1)</p> <p>Technical Elective (5) (3)</p> <p>HSS Elective (3) (3)</p>	<p>SYS 3034 System Eval. (3)</p> <p>SYS 3060 Stoc. Decision Models (3)</p> <p>SYS 3062 Discrete Event Sim. (4)</p> <p>Application Elective (4) (3)</p> <p>Unrestricted Elective (3) (3)</p>	<p>STS 4500 STS &amp; Engr Practice (7) (3)</p> <p><b>Require 4<sup>th</sup>-Year Standing (6)</b></p> <p>SYS 4053 System Design I (3) (3)</p> <p>SYS 4054 System Design II (3) (3)</p> <p>SYS 4055 Design Coll. II (1)</p> <p>SYS 4021 Linear Stat. Models (4)</p> <p>Application Elective (4) (3)</p> <p>Unrestricted Elective (3) (3)</p>	<p>STS 4600 Engr., Ethic &amp; Prof. Resp. (3)</p> <p>Technical Elective (5) (3)</p> <p>Application Elective (4) (3)</p> <p>Unrestricted Elective (3) (3)</p>
15	17	17	15	16	16	17	15

128 credits – minimum required for graduation. Additional information on electives on SE website under “Electives.”

- (1) Suitable science elective I courses are shown on SEAS approved list on the web.
- (2) Science III electives should be chosen from 2000, 3000, and 4000 science or mathematics courses approved for science majors.
- (3) Nine credits of humanities and social science electives should be selected in a related subject area of humanities and social sciences.
- (4) Nine credits of applications electives should be selected in a related applications area of systems engineering.
- (5) Six credits of technical electives. See criteria for technical electives on SE website.
- (6) Fourth year standing requires satisfactorily (C- or better) completing SYS 2001 and 2202 and also completing at least 4 of SYS 3021, 3023, 3034, 3060, and 3062.
- (7) STS 1500 is a pre-requisite for many STS 2/3XXX electives. STS 2/3XXX is a pre-requisite for STS 4500.

