

Catalog Year 2014-15

Recommended Schedule for Pre-Engineering (Non-Chemical)

<u>Fall Year 1</u>	<u>Spring Year 1</u>	<u>Summer Year 1</u>	<u>Fall Year 2</u>	<u>Spring Year 2</u>	<u>Summer Year 2</u>
Math 184 (4) Phys 111 (4) Phys 211* (1) Remaining hours: (7) Gen Ed Reqs	Math 186 (4) Phys 112 (4) Phys 212* (1) Remaining hours: (7)		Math 284 (4) Chem 115 ⁺ (4) Math 322 [†] (3) Remaining hours: (5)	Math 384 (3) Chem 116 (4) CS 131 (3) Remaining hours: (6)	
<u>Fall Year 3</u>	<u>Spring Year 3</u>	<u>Summer Year 3</u>	<u>Fall Year 4</u>	<u>Spring Year 4</u>	<u>Summer Year 4</u>
Gen Ed Students should take general education courses appropriate to the Engineering school they plan to transfer to. For their first year, students should consider taking "standard" general education courses – English composition, literature, history, fine arts, social science, geography, etc.	Alternatives Students entering with Calculus credit should consider taking additional math courses, especially Math 333 and Math 475.	Options Students considering going into Electrical or Computer engineering should consider taking some of the following: CS 141, CS 231, CS 241, Phys 371, Phys 390.	Options Students considering going into Civil, Mechanical, or Architectural engineering may consider taking Phys 221 and Phys 321.	* Phys 211 and Phys 212 may be taken during the second year. † Some schools may require both Chem 115 and Chem 116. † Math 322 is offered every other fall semester.	Note: This pre-engineering track is consistent with the first year of a physics major. Students considering staying for a 4-year degree at Concordia should plan on taking Phys 381 in the Fall of year 2, and another physics class Spring of year 2.