

Sample Engineering Program Including the Common Core

| SEM. | | COURSE | DESCRIPTION |
|------|--|---|--|
| I | C O R E C O U R S E S | ENGN 0030 CHEM 0330 MATH 0190 Elective [†] | Introduction to Engineering Equilibrium, Rate, and Structure AP Calculus |
| II | | ENGN 0040 MATH 0200 CSCI 0040 [‡] Elective | Dynamics and Vibrations Intermediate Calculus Introduction to Scientific Computing |
| III | | ENGN 0410 ENGN 0510 APMA 0330 Elective | Materials Science Electricity and Magnetism Applied Mathematics |
| IV | | ENGN 0520 ENGN 0720 APMA 0340 Elective | Electrical Circuits and Signals Thermodynamics Applied Mathematics |
| V | C O N C E N T R A T I O N | ENGN 0310 ^{**} ENGN 0810 ^{**} Advanced Science ^{***} Elective | Mechanics of Solids and Structures Fluid Mechanics |
| VI | | Upper Level Course Upper Level Course Elective Elective | |
| VII | | Upper Level Course Upper Level Course Upper Level Course Elective | |
| VIII | | Upper Level Course Upper Level Course Elective Elective | |

[†] A minimum of four electives must be in the humanities and social sciences.

^{*} Other CSCI courses may be acceptable; consult Advisors. The Ch/BioE program does not require a CSCI course. A BIOL course is required instead.

^{**} Depends on specific concentration: Ch/BioE requires 0810; EE and Materials require either 0310 or 0810; Civil and M.E. require both.

^{***} May be taken in any semester after prerequisites have been satisfied.