

4-Year Course Plan for Web Design & Engineering

Fall	Winter	Spring
MATH 11 - Calculus I	MATH 12 - Calculus II	MATH 13 - Calculus III
Natural Science	University Core (Cultures & Ideas 1)	University Core (Cultures & Ideas 2)
University Core (Critical Thinking & Writing 1)	University Core (Critical Thinking & Writing 2)	University Core (Religion, Theology & Culture 1)
COEN 10 - Introduction to Programming ¹	COEN 11 - Advanced Programming	COEN 12 - Data Structures
ENGR 1 - Introduction to Engineering (2 units)		

Fall	Winter	Spring
MATH 14 - Calculus IV	AMTH 108 - Probability and Statistics	University Core
University Core	SOCI 49 - Computers, Internet and Society	University Core
COMM 2 - Media in a Global World	COMM 12 - Technology and Communication	COMM 30 - Introduction to Digital Filmmaking
COEN 60 - Introduction to Web Technologies	Free Elective ²	Free Elective

Fall	Winter	Spring
ARTS 174 - Computer Imaging	ARTS 177 - Website Graphic Design	ARTS 175 - Graphic Design
University Core	University Core	ENGL 181 - Engineering Communications
University Core	COEN 161 - Web Programming I	COEN 162 - Web Infrastructure
COEN 146 - Computer Networks	COEN 163 - Web Usability	COEN 164 - Web Programming II

Fall	Winter	Spring
University Core	Free Elective	Free Elective
Educational Enrichment Elective	Educational Enrichment Elective	Educational Enrichment Elective
COEN 174 - Software Engineering	Educational Enrichment Elective	COEN 169 - Web Information Management
COEN 194 - Senior Design I (2 units)	COEN 195 - Senior Design II (2 units)	COEN 196 - Senior Design III (2 units)

Arts, Humanities & Social Science
 Math & Science
 Engineering
 Other

¹Students with previous programming experience, as determined by advanced placement credit or the department's programming diagnostic exam, may replace COEN 10 with a free elective. ²Free electives sufficient for a total of 175 units.