

AS Engineering (831)

The following provides information regarding courses required to complete this major at Virginia Western for planning purposes only. Please see the Academic Catalog and full disclosure statement at <http://catalog.virginiawestern.edu>.

This is a restricted admissions program. Students must successfully complete or place out of all courses marked as "Pre Admit" below prior to enrolling in this program.

| Completed | Course | Course Title | Credit | Requisite | Term Offered |
|--|---------|--|--------|---|--------------|
| | SDV 101 | Orientation to Engineering and Mathematics | 2 | | F, Sp |
| Pre Admit | MTH 167 | Pre-Calculus with Trigonometry | 5 | MTE 1-9 | F, Sp, Su |
| | ENG 111 | College Composition I | 3 | English Placement | F, Sp, Su |
| | MTH 263 | Calculus I | 4 | MTH 167 - C | F, Sp, Su |
| | EGR 121 | Foundations of Engineering | 2 | Pre: MTH 167 - C Co: MTH 263 | F, Sp |
| | EGR 126 | Computer Programming for Engineers | 3 | MTE 1-9 | F, Sp, Su |
| | ECO 201 | Principles of Macroeconomics | 3 | | F, Sp, Su |
| | ECO 202 | Principles of Microeconomics | | | F, Sp, Su |
| | EGR 122 | Engineering Design | 3 | EGR 121 | |
| | EGR 140 | Engineering Mechanics - Statics | 3 | MTH 263 | F, Sp, Su |
| | ENG 112 | College Composition II | 3 | ENG 111 | F, Sp, Su |
| | MTH 264 | Calculus II | 4 | MTH 263 - C | F, Sp, Su |
| | CHM 111 | General Chemistry I | 4 | MTE 1-9; English Placement | F, Sp, Su |
| | MTH 266 | Linear Algebra | 3 | MTH 263 - B or MTH 264 - C | F, Sp |
| | MTH 265 | Calculus III | 4 | MTH 264 "C" or better | F, Sp |
| | PHY 241 | University Physics I | 4 | Pre: MTH 263 Co: MTH 264 | F, Sp |
| | EGR ELE | EGR 245, EGR 246, EGR 206, EGR 251, CHM 112, CHM 241/245 | 3 | | |
| | MUS 121 | Music in Society | 3 | | F, Sp, Su |
| | MTH 267 | Differential Equations | 3 | MTH 264 "C" or better | F, Sp |
| | PHY 242 | University Physics II | 4 | PHY 241 | Sp, Su |
| | EGR ELE | EGR 245, EGR 246, EGR 206, EGR 251, CHM 112, CHM 241/245 | 3 | | |
| | PHI 220 | Ethics | 3 | | F, Sp, Su |
| | HIS 121 | United States History I | 3 | | F, Sp, Su |
| | HIS 122 | United States History II | 3 | | F, Sp, Su |
| <p><i>**MTE classes are developmental courses. Students may place out of these classes based on various measures, including high school GPA, standardized test scores, or placement testing.</i></p> | | | | <p>Total program credits: 67</p> | |