AS Engineering: Computer Science (831-01)

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 with an asterisk (*) 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
*	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
	CSC 221	Introduction to Problem Solving and Programming	3		F, Sp, Su
	EGR 121	Foundations of Engineering	2	Pre: MTH 167 - C Co: MTH 263	F, Sp
	ECO 201 *OR* ECO 202	Principles of Macroeconomics Principles of Microeconomics	3		F, Sp, Su F, Sp, Su
	EGR 122	Engineering Design	3	EGR 121	
	ENG 112	College Composition II	3	ENG 111	F, Sp, Su
	MTH 264	Calculus II	4	MTH 263 - C	F, Sp, Su
	HIS 121 *OR* HIS 122	United States History I United States History II	3		F, Sp, Su F, Sp, Su
	CSC 205	Computer Organization	3	MTE 1-9	F, Sp, Su
	CSC 222	Object-Oriented Programming	4	CSC 221	F
	MTH 265	Calculus III	4	MTH 264 - C	F, Sp
	PHY 241	University Physics I	4	Pre: MTH 263 Co: MTH 264	F, Sp
	MTH 266	Linear Algebra	3	MTH 263 - B or MTH 264 - C	F, Sp
	PHI 220	Ethics	3		F, Sp, Su
	PHY 242	University Physics II	4	PHY 241	Sp, Su
	MUS 121	Music in Society	3		F, Sp
	MTH 288	Discrete Mathematics	3	MTH 263 - C	Sp
	CHM 111	General Chemistry I	4	MTE 1-9; English Placement	F, Sp, Su
	CSC 223	Data Structures and Analysis of Algorithms	4	Pre: CSC 222 Pre/CO: MTH 288	Sp

**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.

Total program credits: 69