

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	MTE 1	Operations with Positive Fractions	**	Math Placement	F, Sp, Su
Pre Admit	MTE 2	Operations with Positive Decimals and Percents	**	MTE 1	F, Sp, Su
Pre Admit	MTE 3	Algebra Basics	**	MTE 2	F, Sp, Su
Pre Admit	MTE 4	First Degree Equations and Inequalities in One Variable	**	MTE 3	F, Sp, Su
Pre Admit	MTE 5	Linear Equations, Inequalities and Systems of Linear Equations in	**	MTE 4	F, Sp, Su
Pre Admit	MTE 6	Exponents, Factoring and Polynomial Equations	**	MTE 5	F, Sp, Su
Pre Admit	MTE 7	Rational Expressions and Equations	**	MTE 6	F, Sp, Su
Pre Admit	MTE 8	Rational Exponents and Radicals	**	MTE 7	F, Sp, Su
Pre Admit	MTE 9	Functions, Quadratic Equations and Parabolas	**	MTE 8	F, Sp, Su
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, EGR 255, MTH 288, 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, EGR 255, MTH 288, CHM 112, CHM 241/245	3		
	ART 101	History and Appreciation of Art I	3		F, Sp, Su
	HIS 121	United States History I	3		F, Sp, Su
	HIS 122	United States History II	3		F, Sp, Su

****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: 67