AS Science: Mathematics (880-04)

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.

Completed	Course	Course Title	Credit	Requisite	Term Offered
	SDV 101	Orientation to Engineering and Mathematics	2		F, Sp
	MTE 1	Operations with Positive Fractions	**	Math Placement	F, Sp, Su
	MTE 2	Operations with Positive Decimals and Percents	**	MTE 1	F, Sp, Su
	MTE 3	Algebra Basics	**	MTE 2	F, Sp, Su
	MTE 4	First Degree Equations and Inequalities in One Variable	**	MTE 3	F, Sp, Su
	MTE 5	Linear Equations, Inequalities and Systems of Linear Equations in Two Variables	**	MTE 4	F, Sp, Su
	MTE 6	Exponents, Factoring and Polynomial Equations	**	MTE 5	F, Sp, Su
	MTE 7	Rational Expressions and Equations	**	MTE 6	F, Sp, Su
	MTE 8	Rational Exponents and Radicals	**	MTE 7	F, Sp, Su
	MTE 9	Functions, Quadratic Equations and Parabolas	**	MTE 8	F, Sp, Su
	CSC 200	Introduction to Computer Science	3		F
	MTH 167	Pre-Calculus with Trigonometry	5	MTE 1-9	F, Sp, Su
	ENG 111	College Composition I	3	English Placement	F, Sp, Su
	HUM/FA	ART 101, ART 102, CST 130, MUS 121, PHI 101, PHI 220, or REL 230	3		
	MTH 263	Calculus I	4	MTH 167 - C	F, Sp, Su
	ENG 112	College Composition II	3	ENG 111	F, Sp, Su
	MTH 245	Statistics I	3	MTH 154 - C MTH 151 - C MTH 167 - C	F, Sp
	HIS 121	United States History I	3		F, Sp, Su
	ENG LIT	ENG 241, ENG 242, ENG 243, ENG 244, ENG 251, ENG 252	3	ENG 112	F, Sp, Su
	SCI Major SEQ I	AGR 141, BIO 101, BIO 141, BIO 270, CHM 111, GOL 105, PHY 201, PHY 241	4	Differs based on course chosen	
	MTH 264	Calculus II	4	MTH 263 - C	F, Sp, Su
	MTH 266	Linear Algebra	3	MTH 263 - B or MTH 264 - C	F, Sp
	SOC SCI	ECO 201, GEO 210, HIS 111, HIS 112, PLS 135, PSY 200, or SOC 200	3		F, Sp, Su
	SCI Major SEQ I	AGR 142, BIO 102, BIO 142, BIO 271, CHM 112, GOL 106, PHY 202, PHY 242	4	First Course in Sequence	
	MTH 288	Discrete Mathematics	3	MTH 263 - C	Sp
	MTH 267	Differential Equations	3	MTH 264 "C" or better	F, Sp
	MTH 265	Calculus III	4	MTH 264 "C" or better	F, 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: 60