

AS Science: Mathematics

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 201	Computer Science I	4	Co: MTH 263	F
	MTH 167	Pre-Calculus with Trigonometry	5	MTE 1-9	F, Sp, Su
	MTH 263	Calculus I	4	MTH 167 - C	F, Sp, Su
	ENG 111	College Composition I	3	English Placement	F, Sp, Su
	HUM/FA	ART 101, ART 102, CST 130, MUS 121, MUS 122, PHI 101 or REL 230	3		
	MTH 264	Calculus II	4	MTH 263 - C	F, Sp, Su
	ENG 112	College Composition II	3	ENG 111	F, Sp, Su
	CHM 111	General Chemistry I	4	MTE 1-9; English Placement	F, Sp, Su
	HIS 121	United States History I	3		F, Sp, Su
	PHY 241	University Physics I	4	Pre: MTH 263 Co: MTH 264	F, Sp
	MTH 265	Calculus III	4	MTH 264 "C" or better	F, Sp
	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 211, PSY 200 or SOC 200	3		F, Sp, Su
	SOC SCI	ECO 201, GEO 210, HIS 111, HIS 112, PLS 211, PSY 200 or SOC 200	3		F, Sp, Su
	PHY 242	University Physics II	4	PHY 241	Sp, Su
	MTH 288	Discrete Mathematics	3	MTH 263 - C	F, Sp
	MTH 267	Differential Equations	3	MTH 264 "C" or better	F, Sp
	HUM/FA	ART 101, ART 102, CST 130, MUS 121, MUS 122, PHI 101 or REL 230	3		

**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