

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 100	College Success Skills	1		F, Sp, Su
	SDV 101	Orientation to Engineering and Mathematics	1		F, Sp, Su
	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		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	Humanities/Fine Arts Elective	3		F, Sp, Su
	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 and 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	F, Sp
	MTH 266	Linear Algebra	3	MTH 263 - B or MTH 264 - C	F, Sp
	SOC SCI	Social Science Elective	3		F, Sp, Su
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	PHY 242	University Physics II	4	MTH 264 PHY 241	Sp, Su
	MTH 287	Mathematical Structures	3	Co: MTH 264	Sp
	MTH 267	Differential Equations	3	MTH 264 - C	F, Sp
	HUM/FA	Humanities/Fine Arts Elective	3		F, Sp, Su

Total program credits: 60

**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.

Social Science Electives

ECO 201 Principles of Macroeconomics
 ECO 202 Principles of Microeconomics
 GEO 210 People and the Land: Introduction to Cultural Geography
 GEO 220 World Regional Geography
 HIS 101 History of Western Civilization I
 HIS 102 History of Western Civilization II
 HIS 111 History of World Civilization I
 HIS 112 History of World Civilization II
 HIS 121 United States History I
 HIS 122 United States History II
 PLS 211 U.S. Government I
 PLS 212 U.S. Government II
 PSY 200 Principles of Psychology
 PSY 215 Abnormal Psychology
 PSY 216 Social Psychology
 PSY 225 Theories of Personality
 PSY 230 Developmental Psychology
 PSY 235 Child Psychology
 PSY 236 Adolescent Psychology
 SOC 200 Principles of Sociology
 SOC 215 Sociology of the Family
 SOC 266 Race and Ethnicity

Humanities/Fine Arts Electives

ART 101 History and Appreciation of Art I
 ART 102 History and Appreciation of Art II
 CST 130 Introduction to the Theatre
 ENG 241 Survey of American Literature I
 ENG 242 Survey of American Literature II
 ENG 243 Survey of English Literature I
 ENG 244 Survey of English Literature II
 ENG 251 Survey of World Literature I
 ENG 252 Survey of World Literature II
 FRE 201 Intermediate French I
 FRE 202 Intermediate French II
 HUM 201 Survey of Western Culture I
 HUM 202 Survey of Western Culture II
 MUS 121 Music Appreciation I
 MUS 122 Music Appreciation II
 PHI 220 Ethics
 PHT 101 Photography I
 REL 200 Survey of the Old Testament
 REL 210 Survey of the New Testament
 REL 230 Religions of the World
 REL 231 Religions of the World I
 REL 232 Religions of the World II
 REL 247 History of Christianity
 SPA 201 Intermediate Spanish I
 SPA 202 Intermediate Spanish II