AS Science: Computer Science

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 Information Technology	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
	ENG 111	College Composition I	3	English Placement	F, Sp, Su
	MTH 167	Pre-Calculus with Trigonometry	5	MTH 1-9	F, Sp, Su
	ITP 100	Software Design	3		F, Sp, Su
	MTH 263	Calculus I	4	MTH 167 - C	F, Sp, Su
	ENG 112	College Composition II	3	ENG 111	F, Sp, Su
	SOC SCI	Social Science Elective	3		F, Sp, Su
	HIS 121	United States History I	3		F, Sp, Su
	HUM/FA	Humanities/Fine Arts Elective	3		F, Sp, Su
	CSC 205 *OR* ITN 170	Computer Organization *OR* Linux System Administration	4	TEL 150	F Sp
	MTH 264	Calculus II	4	MTH 263 - C	F, Sp, Su
	CSC 201 *OR* ITP 120	Computer Science I *OR* Java Programming I	4	Co: MTH 263 ITP 100	F Sp
	SCI ELEC I	BIO 101, BIO 141, CHM 111, GOL 105, NAS 131, PHY 201 or PHY 241	4		F, Sp, Su
	SOC SCI	Social Science Elective	3		F, Sp, Su
	CSC 202 *OR* ITP 220	Computer Science II *OR* Java Programming II	4	Pre: CSC 201 Co: MTH 264 / Pre: ITP 120 Pre/Co: ITD 130	Sp F
	HUM/FA	Humanities/Fine Arts Elective	3		F, Sp, Su
	MTH 287	Mathematical Structures	3	Co: MTH 264	Sp
	SCI ELEC II	BIO 102, BIO 142, CHM 112, GOL 106, NAS 132, PHY 202 or PHY 242	4	SCI Elec I	F, Sp, Su

Total program credits: 62

**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	Humanities/Fine Arts Electives
ECO 201 Principles of Macroeconomics	ART 101 History and Appreciation of Art I
ECO 202 Principles of Microeconomics	ART 102 History and Appreciation of Art II
GEO 210 People and the Land: Introduction to Cultural Geography	CST 130 Introduction to the Theatre
GEO 220 World Regional Geography	ENG 241 Survey of American Literature I
HIS 101 History of Western Civilization I	ENG 242 Survey of American Literature II
HIS 102 History of Western Civilization II	ENG 243 Survey of English Literature I
HIS 111 History of World Civilization I	ENG 244 Survey of English Literature II
HIS 112 History of World Civilization II	ENG 251 Survey of World Literature I
HIS 121 United States History I	ENG 252 Survey of World Literature II
HIS 122 United States History II	FRE 201 Intermediate French I
PLS 211 U.S. Government I	FRE 202 Intermediate French II
PLS 212 U.S. Government II	HUM 201 Survey of Western Culture I
PSY 200 Principles of Psychology	HUM 202 Survey of Western Culture II
PSY 215 Abnormal Psychology	MUS 121 Music Appreciation I
PSY 216 Social Psychology	MUS 122 Music Appreciation II
PSY 225 Theories of Personality	PHI 101 Introduction to Philosophy I
PSY 230 Developmental Psychology	PHI 220 Ethics
PSY 235 Child Psychology	REL 200 Survey of the Old Testament
PSY 236 Adolescent Psychology	REL 210 Survey of the New Testament
SOC 200 Principles of Sociology	REL 230 Religions of the World
SOC 215 Sociology of the Family	REL 231 Religions of the World I
SOC 266 Race and Ethnicity	REL 232 Religions of the World II
	REL 247 History of Christianity
	SPA 201 Intermediate Spanish I
	SPA 202 Intermediate Spanish II