

# AS Science: Computer Science (880-01)

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 Information Technology	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
	ENG 111	College Composition I	3	English Placement	F, Sp, Su
	MTH 167	Pre-Calculus with Trigonometry	5	MTE 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
	ITD 130	Database Fundamentals	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
	HUM/FA	ART 101, ART 102, CST 130, MUS 121, MUS 122, PHI 101 or REL 230	3		
	HIS 121	United States History I	3		F, Sp, Su
	MTH 264	Calculus II	4	MTH 263 - C	F, Sp, Su
	CSC 201	Computer Science I	4	Co: MTH 263	F
	ITP 120	Java Programming I	4	ITP 100	Sp
	SCI ELEC I	BIO 101, CHM 101, CHM 111, GOL 105, NAS 131, or PHY 201	4	Differs based on course chosen	F, Sp, Su
	SOC SCI	ECO 201, GEO 210, HIS 111, HIS 112, PLS 211, PSY 200 or SOC 200	3		F, Sp, Su
	CSC 202	Computer Science II	4	Pre: CSC 201 or ITP 120 Pre/CO: MTH 264	Sp
	ITP 220	Java Programming II	4	Pre: ITP 120 Pre/Co: ITD 130	F
	HUM/FA	ART 101, ART 102, CST 130, MUS 121, MUS 122, PHI 101 or REL 230	3		
	MTH 288	Discrete Mathematics	3	MTH 263 - C	Sp
	SCI ELEC II	BIO 102, CHM 102, CHM 112, GOL 106, NAS 132 or PHY 202	4	SCI ELEC I	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: 62**