

CSC Advanced Technology in Mechatronics

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>.

Day Option

Completed	Course	Course Title	Credit	Requisite	Term Offered
	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
	MTH 115	Technical Mathematics I	3	MTE 1-6	F, Sp
	MEC 140	Introduction to Mechatronics	3		F
	IND 243	Principles and Applications of Mechatronics	3	Pre/Co: MEC 140	Sp
	MEC 162	Applied Hydraulics and Pneumatics	3		F, Sp
	ETR 113	DC and AC Fundamentals I	4	MTE 1-3	F, Sp
	IND 116	Applied Technology	3		F

Total program credits: 19

**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.

Night Option

Completed	Course	Course Title	Credit	Requisite	Term Offered
	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
	ETR 113	DC and AC Fundamentals I	4	MTE 1-3	F, Sp
	IND 116	Applied Technology	3		F
	IND 250	Introduction to Basic Computer Integrated Manufacturing	3		F
	MTH 115	Technical Mathematics I	3	MTE 1-6	F, Sp
	MEC 162	Applied Hydraulics and Pneumatics	3		F, Sp
	IND 251	Automated Manufacturing Systems I	4		Sp

Total program credits: 20

**MTE classes listed above are developmental math classes. Students may place out of these classes based on high school GPA, SAT or ACT scores, or the Virginia Placement Test.