

AAS MSET: Design Engineering Technology

2017-18 Catalog

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
	ENG 111	College Composition I	3	English Placement	F, Sp, Su
	MTH 115	Technical Mathematics I	3	MTE 1-6	F, Sp
	MTH 167	Pre-Calculus with Trigonometry		MTE 1-9	F, Sp, Su
	EGR 216	Computer Methods in Engineering and Technology	3	Co: MTH 115	F, Sp
	ETR 113	DC and AC Fundamentals I	4	MTE 1-3	F, Sp
	CAD 111	Technical Drafting I	3	MTE 1-3	F, Sp
	MTH 116	Technical Mathematics II	3	MTE 1-6	Sp
	MTH 263	Calculus I		MTH 167 - C	F, Sp, Su
	EGR 105	Introduction to Problem Solving in Technology	1		Sp
	CAD 241	Parametric Solid Modeling I	3	CAD 111 or DRF 201	F, Sp
	MEC 113	Materials and Processes of Industry	3		Sp
	MEC 119	Introduction to Basic CNC and CAM	3	MTE 1-3	F
	MEC 131	Mechanics I - Statics for Engineering Technology	3	Pre: MTH 115 Co: MTH 116	Sp, Su
	ETR 237	Industrial Electronics I	4	ETR 113	F
	CAD 226	Computer Aided Machining	3	CAD 111	Sp
	MEC 132	Mechanics II - Strength of Materials for Engineering Technology	3	MEC 131	F, Su
	PHY 201	General College Physics I	4	MTH 115 or MTH 161 or MTH 167 and English	F, Sp, Su
	HIS 111	History of World Civilization I	3		F, Sp, Su
	HIS 121	United States History I			F, Sp, Su
	ECO 201	Principles of Macroeconomics			F, Sp
	IND 230	Applied Quality Control	3		Sp
	CAD 242	Parametric Solid Modeling II	3	CAD 111 CAD 241	Sp
	MEC 211	Machine Design I	4	MEC 132	Sp
	SAF 127	Industrial Safety	2		F, Sp, Su
	ART 101	History and Appreciation of Art I	3		F, Sp
	MUS 122	Music Appreciation II			Sp
	PHI 220	Ethics			F, Sp, Su

Total program credits: 66

**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.

