

AAS MSET: Electrical Engineering Technology

The following provides information regarding courses required to complete this major at Virginia Western for planning purposes

Completed	Course	Course Title	Credit	Requisite	Term Offered
	SDV 101	Orientation to Engineering and Mathematics	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
	ENG 111	College Composition I	3	English Placement	F, Sp, Su
*	MTH 131	Technical Mathematics	3	MTE 1-6	F, Sp
	MTH 167	Pre-Calculus with Trigonometry	5	MTE 1-9	F, Sp, Su
	EGR 216	Computer Methods in Engineering and Technology	3		F, Sp, Su
	ETR 113	DC and AC Fundamentals I	4	MTE 1-3	F, Sp
	CAD 111	Technical Drafting I	3	MTE 1-3	F, Sp, Su
*	MTH 155	Statistical Reasoning	3	Pre: MTE 1-5 or Co: MCR 5	F, Sp, Su
	MTH 263	Calculus I	4	MTH 167 - C	F, Sp, Su
	EGR 105	Introduction to Problem Solving in Technology	1	Co: Any MTH Course	F, Sp
	ETR 237	Industrial Electronics I	4	ETR 113	F, Sp
	MEC 113	Materials and Processes of Industry	3		Sp
	ETR 114	DC and AC Fundamentals II	4	ETR 113	Sp
	CAD 241	Parametric Solid Modeling I	3		F, Sp
	ETR 280	Introduction to Digital Logic Circuits and Computers	4	ETR 113	F
	IND 250	Introduction to Basic Computer Integrated Manufacturing	3		F
	PHY 201	General College Physics I	4	MTH 131; English Placement	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		
	ELE 298	Seminar and Project in Electrical Technology	3	ETR 114, ETR 237, ETR 280	Sp
	TEL 150	Internetworking I	4		F, Sp, Su
	SAF 127	Industrial Safety	2		F, Sp, Su
	ETR 238	Industrial Electronics II	3	ETR 237	Sp

*Choice of math course depends on the student's intentions regarding transfer. See your advisor for additional information.

**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: 65