

AAS MSET: Electrical Engineering Technology (736-02)

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 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
*	MTH 111	Basic Technical Mathematics	3	Pre: MTE 1-3 or Co: MCR 1	F, Sp
	MTH 167	Pre-Calculus with Trigonometry	5	MTE 1-9	F, Sp, Su
	MEC 113	Materials and Processes of Industry	3		Sp
	ETR 113	DC and AC Fundamentals I	4	MTE 1-3	F, Sp
	SAF 127	Industrial Safety	2		F, Sp, Su
	CAD 111	Technical Drafting I	3	MTE 1-3	F, Sp, Su
	ETR 114	DC and AC Fundamentals II	4	ETR 113	Sp
	ETR 237	Industrial Electronics I	4	ETR 113	F, Sp
*	MTH 131	Technical Mathematics	3	MTE 1-6	F, Sp
	MTH 263	Calculus I	4	MTH 167 - C	F, Sp, Su
	EGR 216	Computer Methods in Engineering and Technology	3		F, Sp, Su
	CAD 241	Parametric Solid Modeling I	3	CAD 111	F, Sp
	IND 250	Introduction to Basic Computer Integrated Manufacturing	3	ETR 113	F
	ENG 111	College Composition I	3	English Placement	F, Sp, Su
	ETR 280	Introduction to Digital Logic Circuits and Computers	4	ETR 113	F
	ETR 238	Industrial Electronics II	3	ETR 237	Sp
	PHY 201	General College Physics I	4	MTH 131; English Placement	F, Sp, Su
	ITN 154	Network Fundamentals, Router Basics, and Configuration (ICND1) - Cisco	4		F, Sp, Su
	ELE 298	Seminar and Project in Electrical Technology	3	ETR 114, ETR 237, ETR 280	Sp
	HUM/FA	ART 101, ART 102, CST 130, MUS 121, MUS 122, PHI 101 or REL 230	3		
	ETR 286	Principles and Applications of Robotics	3	ETR 113	Sp
	SOC SCI	ECO 201, GEO 210, HIS 111, HIS 112, PLS 211, PSY 200 or SOC 200	3		F, Sp, Su

*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: 67