

ELECTRICAL TECHNOLOGY PLAN OF STUDY IN TECHNICAL STUDIES

Associate of Applied Science Degree

MA

Purpose: The specialization in Electrical Technology is designed to qualify personnel in both electrical technology and management for employment in all areas of a construction firm. Students will be prepared for entry-level employment in positions involving direct use of technical skills in the construction business. Occupational objectives include engineering aide, construction project manager, construction supervisor, estimator, and facilities planning and supervision. The curriculum includes content, skills and knowledge courses that are equivalent to the electrical apprenticeship program at Associated Builders and Contractors (ABC).

Admission Requirements: Students must be registered apprentices enrolled in an approved apprenticeship program, have successfully completed an approved apprenticeship program, or have received their state Journeyman Electrician license. Students should seek program admission in the Counseling Center and will be required to take the English and mathematics assessment tests to determine if they require any developmental studies for the program.

Two Years		Credits
1st Semester		
DRF	201 Computer Aided Drafting and Design I	4
ELE	115 Basic Electricity	3
ENG	111 College Composition I	3
MTH	151 Mathematics for the Liberal Arts I	3
PSY	120 Human Relations	3
SDV	Elective	<u>1</u>
Total		17
2nd Semester		
ELE	118 Practical Electricity	2
ELE	138 National Electric Code Review	2
ELE	149 Wiring Methods in Industry	3
ENG	115 Technical Writing	3
ITE	115 Intro. to Computer Applications & Concepts	3
¹ —	Humanities Elective	<u>3</u>
Total		16
3rd Semester		
SPD	115 Small Group Communication	3
BUS	208 Quality and Productivity Management	3
ELE	152 Electrical-Electronic Calculations I	4
ELE	158 AC and DC Circuits and Machines	3
ELE	297 Cooperative Education	3
² —	Health or Physical Education Elective	<u>2</u>
Total		18
4th Semester		
ELE	153 Electrical-Electronic Calculations II	4
ELE	159 Electrical Motors	3
ELE	297 Cooperative Education	3
ITP	100 Software Design	3
³ —	Social Science Elective	<u>3</u>
Total		16

Total credits for the A.A.S. Degree in Technical Studies - Electrical Technology Plan of Study = 67.

¹ The humanities elective may be met by one of the following options: HUM 201, 3 cr.; or HUM 241, 3 cr.

² The PED requirement may be met by one of the following options: PED 116, 2 cr.; PED 116, 1 cr. plus a PED activities course, 1 cr.; or PED 116, 1 cr. plus RPK activities course. PED 116 is offered as both a 1-credit and a 2-credit course.

³ The social science elective may be selected from the economics, geography, history, political science, psychology, or sociology (includes anthropology) courses listed on page 54.