

## Occupational Studies – Associate in Applied Science (OCST.AAS) at Jackson College to Bachelor of Science in Electrical/Electronic Engineering Technology at Wayne State University

This Associate of Applied Science is designed specifically for students who have completed an apprenticeship program and received a certificate of completion from the U.S. Department of Labor/Bureau of Apprenticeship and Training. Apprenticeship occupations accepted are carpenter, cement mason, structural draftsman, machine builder, machine repair and maintenance, millwright, wood model maker, mold maker (plaster and die cast), operating engineer, plumber, pipe fitter, tool and die maker. Other apprenticeship programs would need to be reviewed on a case-by-case for consideration by the lead faculty. The curriculum will provide students with a strong academic foundation and introduce them to new ideas in sustainability, business, entrepreneurship, and computer systems

The Bachelor of Science in Electrical/Electronic Engineering Technology is available to JC students who earn the Michigan Transfer Agreement (MTA), complete the WSU Expected Electrical/Electronic Engineering Technology Pathway Courses, and finish one of the Associate Degree programs listed in the Engineering Technology Pathway with a cumulative GPA of 2.5 or higher.

Under this agreement, Wayne State University will waive the 60-hour rule and require that a minimum of 58 credits be completed in courses offered by WSU. This allows students to complete more than 60 credit hours at Jackson College, and have those hours applied toward their bachelor's degree.

### General Education Requirements (25 Credits)

Course Title	Credits
ENG 131 Writing Experience I	3
ANT 131 Cultural Anthropology	3
MAT 141 Pre-Calculus (pre req-MAT 139)	5
PHY 231 Conceptual Physics	4
PSY 140 Introduction to Psychology	4
HUM 131 Cultural Connections	3
SEM 140 Seminar in Life Pathways	3

### OCCUPATIONAL STUDIES CORE REQUIREMENTS (18 CREDITS)

STM 101 Introduction to Sustainability	3
ENT 101 Entrepreneurship: Creating Your Own Job	3
CIS 101 Introduction to Computer Systems	3
ECM 101 e-Commerce Fundamentals	3
BUA 190 Strategic Business Management	3
ENG 232 Technical and Business Writing	3

## OCCUPATIONAL STUDIES ELECTIVE REQUIREMENTS (23 CREDITS)

Apprenticeship Certificate of Completion. Other apprenticeship/certificate programs would need to be reviewed on a case-by-case for consideration by the lead faculty.

### MTA Requirements (12 Credits)

CEM-131-Fundamentals of Chemistry	5
PHY-231-College Physics	4
PHL-236-Ethics	3

### Expected WSU Engineering Technology Pathway Courses (8 Credits)

\*If courses are not completed at JC, students may not meet requirements and/or acceptance into desired program

PHY-232-College Physics II	4
ELT-140-Intro to Digital Electronics	4