

# BACHELOR OF APPLIED SCIENCE IN INTEGRATED DIGITAL MANUFACTURING ENGINEERING TECHNOLOGY

Financial Assistance funds cannot be applied towards this program. Request for eligibility to utilize Financial Assistance funds for this program is currently pending.

Code	Title	Credit Hours
EET-1220	Circuits and Electronics for Automation	3
ENG-1010	College Composition I	3
MET-1120	Computer Applications and Programming	2
MET-1230	Drawing & AutoCAD	3
MET-1640	Robotics and Programmable Logic Controllers in Process Automation	5
HUM-1020	The Individual in Society	3
ISET-1301	Mechanical/Electrical Print Reading	3
MATH-1530	College Algebra	4
MET-1340	Introduction to Industry 4.0 and Vision Systems	4
MET-2601	3D Solid Modeling	3
EET-1600	Industrial Routers, Switches, and Operating Systems for Smart Manufacturing	2
ISET-1320	Fundamentals of Fluid Power	2
ISET-2200	Industrial Motor Controls	3
MET-1410	Computer Aided Manufacturing Processes	3
ENG-2151	Technical Writing	3
DEGR-XXXX	Natural Science Requirement (lecture) <sup>1</sup>	3
EET-1620	Industrial Protocols and Machine Connectivity for Smart Manufacturing	3
MET-2450	Robotics and Automation in Smart Manufacturing	4
MET-2460	Applied Programmable Logic Controllers and Mechatronic Systems	5
PSY-1050	Introduction to Industrial/Organizational Psychology	3
CHEM-1010	Introduction to Inorganic Chemistry	4
MATH-1480	Modern Mathematics for Business and Social Sciences II	4
MET-3830	Smart Manufacturing Internship I	1
DEGR-XXX	Ohio Transfer 36 Elective	3
ISET-3100	Electrical and Mechanical Systems for Smart Manufacturing	3
MET-3100	Applied Smart Manufacturing Processes	3
EET-3100	Manufacturing Network Devices	3
EET-3200	Industrial IoT Fundamentals and Cybersecurity	4
EET-3210	CyberOps for Manufacturing	4
Select one of the following:		3
PHIL-2020	Ethics	

PHIL-202H	Honors Ethics	
MET-3840	Smart Manufacturing Internship II	1
EET-4200	Cloud Security for Manufacturing	3
EET-3300	Applications Programming for Smart Manufacturing	3
EET-3310	Industrial Software Applications Development	4
DEGR-XXXX	Ohio Transfer 36 Social and Behavioral Sciences Requirement	3
EET-4100	Network Security for Manufacturing	4
EET-4210	Big Data Analytics for Smart Manufacturing	3
MET-4990	Integrated Digital Manufacturing Project	3
MET-4210	Smart Manufacturing ERP Systems	4

<sup>1</sup> Highly Recommend PHYS-1210 College Physics I.

## Smart Manufacturing - Mechatronics, Associate of Applied Science