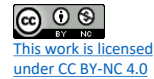# SMART MANUFACTURING TECHNOLOGY 'EARN AND LEARN'

Associate of Applied Science Degree
(Effective Academic Year 2022-23)

Course No	Course Title	Credits	TECHNICAL (30-35 CrHr)	NON-TECHNICAL Gen Ed (15 CrHr)	NON-TECHNICAL Applied Gen Ed (Basic) (15 CrHr)	OTM, TAG, CT[2] approved course	Term(s) Offered	Course Requirements
FIRST SEMESTER *(Fall)*								
GET1000	Introduction to Engineering	2			2	OES001	FA, SP	Placement or ENG0970
EET1000	Introduction to Electricity	2	2				FA, SP	Placement or ENG0970 or ENG1000 can be taken concurrently
EET2010	Introduction to Programmable Controllers	2	2				FA, SP	EET1000
TMT1110	Applied Technical Math	3			3		FA, SP	Placement or MTH0920
CIT1100	Introduction to Programming Concepts w/Python	3	3				FA	Placement or OIS1200 and ENG0970
OIS1240	Computer Applications	3			3	OBU003	ALL	Placement or OIS1200
FYE1000	Academic and Career Success	1			1		ALL	None
SECOND SEMESTER *(Spring)*								
EET 2510	Automated Process Control	3	3				SP	None
EET1500	Circuit Analysis I	3	3			OET001; CTEET001	SP	EET1000
SMT1200	Instrumentation and Control	2	2				SP	EET2010
EET2060	Advanced Programmable Controllers	3	3			OET022; CTEET003	FA, SP	EET2010
ENG1000	English Composition	3		3		TME001	ALL	Placement
MET 1500	Mechanical Drives	3	3				SP	TMT1110 or concurrent
THIRD SEMESTER *(Summer)*								
COM1400	Oral Communication	3		3		TMCOM; OCM013	ALL	None
SOC2020	Ethnic and Cultural Diversity	3		3		TMSBS; OSS050	ALL	Placement or ENG0970
BUS2800	Career Readiness	1			1		FA, SP	ENG1000 and 16 credits
SOC1200	Sociology	3		3		TMSBS; OSS021	ALL	None
	OR							
PSY1100	*Introduction to Psychology*					*TMSBS; OSS015*	*ALL*	Placement or ENG0970 or ENG1000 can be taken concurrently
FOURTH SEMESTER *(Fall)*								
Courses + Work placement (courses T/TH, work								
EET1550	Circuit Analysis II	3	3			OET003	FA	EET1500 and TMT1110
SMT1100	Cyber Security and Networking in Manufacturing	3	3				FA	OIS1240 or concurrent
EET1301	Fanuc Robot Handling Tool Operations and	2	2				FA, SP	None
MTH1245	College Algebra	3		3		TMM001	ALL	Placement or MTH0920
FIFTH SEMESTER *(Spring)* **courses + work placement (courses T/TH, work M/W/F)**								
PHY1110	Applied Physics	4		4			SP	TMT1110 or concurrent
GET2300	Engineering Statistics	2			2		SP	MTH1245 and OIS1240
SMT2000	IrVision Operation and Programming - 2D	2	2				SP	EET 1301
TEC000	Technical Elective*	3	3				FA, SP	Course dependent
			34	19	12			
	Credit Hour Total	**65**		65				