

SMART MANUFACTURING TECHNOLOGY 'EARN AND LEARN' CERTIFICATE



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(Effective Academic Year 2022-23)

Course No	Course Title	Credits	TECHNICAL		NON-TECHNICAL		OTM, TAG, CT <sup>2</sup> approved course	Term(s) Offered	Course Requirements
			(30-35 CrHr)		Gen Ed (15 CrHr)	Applied Gen Ed (Basic) (15 CrHr)			
<b>FIRST SEMESTER (Fall)</b>									
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
<b>SECOND SEMESTER (Spring)</b>									
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 TME001	FA, SP	EET2010
ENG1000	English Composition	3				3		ALL	Placement or ENG0990
MET 1500	Mechanical Drives	3	3					SP	TMT1110 or concurrent
<b>Credit Hour Total</b>			<b>33</b>			21			3 9 33