MASTER OF ENGINEERING IN ADVANCED MANUFACTURING, DIGITAL MANUFACTURING TRACK

Curriculum

Code	Title	Credit Hours
Core Courses		(12-14)
MMAE 501	Engineering Analysis I	3
Select 9-11 credit hours from the following courses:		9-11
ECE 411	Power Electronics	4
ECE 412	Hybrid Electric Vehicle Drives	4
ECE 438	Control Systems	3
ECE 505	Applied Optimization Engrgs	3
MMAE 546	Adv Manufacturing Engineering	3
MMAE 547	Comp Intgrted Manuf Technlgies	3
MMAE 557	Comp Intgrtd Manfctrng Systms	3
MMAE 560	Ststcl Quality Procs Control	3
Digital Manufacturing Courses		(9)
Select nine credit hours from the following courses:		9
ECE 565	Compt Vision Image Processing	3
ENGR/MMAE 539	Robotic Motion Planning	3
ENGR/MMAE 587	Intro to Digital Manufacturing	3
MMAE 445	Computer-Aided Design	3
MMAE 543	Modern Control Systems	3
MMAE 545	Advanced CAD/CAM	3
MMAE 587	Intro to Digital Manufacturing	3
Elective Courses		(7-9)
Select seven to nine credit hours from the following courses:		7-9
ENGR 595	Product Development	3
MMAE 451	Finite Elmnt Methods in Engrg	3
MMAE 502	Engineering Analysis II	3
MMAE 532	Finite Element Methods II	3
MMAE 541	Advanced Dynamics	3
MMAE 570	Computational Methods in MSE	3
MMAE 589	Apps in Reliability Engg I	3
MMAE 590	Apps Reliabilty Engineering II	3
MMAE 594	Proj for Master of Engg Stud	1-6

Minimum degree credits required: 30