

MASTER OF ENGINEERING IN ADVANCED MANUFACTURING, ADDITIVE 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 for Engineers	3
MMAE 546	Advanced Manufacturing Engineering	3
MMAE 547	Computer-Integrated Manufacturing Technologies	3
MMAE 557	Computer-Integrated Manufacturing Systems	3
MMAE 560	Statistical Quality and Process Control	3
Additive Manufacturing Courses		(9)
Select nine credit hours from the following courses:		9
MMAE 445	Computer-Aided Design	3
MMAE 545	Advanced CAD/CAM	3
MMAE 579	Advanced Materials Processing	3
MMAE/ENGR 588	Additive Manufacturing	3
Elective Courses		(7-9)
Select seven to nine credit hours from the following courses:		7-9
ECE 594 or MMAE 594	Special Projects Project for Master of Engineering Students	1-6
MMAE 451	Finite Element Methods in Engineering	3
MMAE 502	Engineering Analysis II	3
MMAE 532	Advanced Finite Element Methods	3
MMAE 541	Advanced Dynamics	3
MMAE 570	Computational Methods in Materials Science and Engineering	3
MMAE 589	Applications in Reliability Engineering I	3
MMAE 590	Applications in Reliability Engineering II	3

Minimum degree credits required: 30