

# MASTER OF ENGINEERING MANAGEMENT, PRODUCT DESIGN AND DEVELOPMENT TRACK

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## Curriculum

Code	Title	Credit Hours
<b>Core Courses</b>		<b>(12)</b>
EMGT 470	Project Management	3
EMGT 523	Statistical Analysis of Engineering Data	3
EMGT 574	Economic Decision Analysis in Engineering	3
EMGT 575	Systems Analysis in Engineering	3
<b>Product Design and Development Courses</b>		<b>(9)</b>
Select nine credit hours from the following courses:		9
BUS 472	New Product Development	3
BUS 510	Strategic Management	3
CAE 515	Building Energy Modeling	3
CHE 541	Renewable Energy Technologies	3
ECE 505	Applied Optimization for Engineers	3
EG 430	Introduction to Building Information Modeling	3
EMGT 406	Entrepreneurship and Intellectual Property Management	3
MBA 575	Startup Accelerator	3
MBA 576	New Technology Ventures (Deep Tech Commercialization)	3
MMAE 522	Nuclear, Fossil-Fuel, and Sustainable Energy Systems	3
MMAE 534	Product Design and Innovation	3
MMAE 545	Advanced CAD/CAM	3
MMAE 546	Advanced Manufacturing Engineering	3
MMAE 547	Computer-Integrated Manufacturing Technologies	3
<b>Elective Courses</b>		<b>(9)</b>
Select nine credit hours from any 500-level BME, CHE, CAE, ECE, EG, ENVE, INTM or MMAE engineering course.		9
<b>Total Credit Hours</b>		<b>30</b>