

ELECTRO-MECHANICAL ENGINEERING CONCENTRATION		
Course Number	Course Name	Credit Hours
ENDS 1100	Introduction to Engineering	2
CADD 1100	Introduction to AutoCAD	3
EENG 1105	DC Circuits and Devices	3
ENGL 1101	English Composition I	3
MATH****	See below	3
Course Number	Spring Year 1	Credit Hours
PHYS 2201	General Physics (Algebra Based)	5
EENG 2260	Microcontroller Programming	3
CADD 1110	Introduction to SolidWorks	3
EENG 2205	Digital Electronics	3
EENG 1115	AC Circuits & Devices	3
Course Number	Fall Year 2	Credit Hours
ENDS 2202	Statics	3
ENDS 2205	Hydraulics and Pneumatics	3
ENDS 1143	Introduction to Product Design	3
EENG 2215	Analog Circuits & Devices	3
EENG 2285	Manufacturing Control Systems	3
EENG 1185	Electric Machinery	3
Course Number	Spring Year 2	Credit Hours
ENDS 2202	Dynamics	3
ENDS 2203	Strength of Materials	3
COMM 1115	Fundamentals of Effective Speech	3
ENGL 2205	Technical Report Writing	3
Elective	General Elective (Humanities or Social Science)	3

MATH****

Students wishing to transfer via the Miami partnership or other four-year degree **should** take MATH 1150 or higher

Students not wishing to transfer via the Miami partnership or other four-year degree **can** take MATH 1120 or 1141 or higher

Black – Core classes

Red – Electro-Mechanical Engineering Concentration classes