

Engineering Management – Manufacturing or Systems Analysis

Sinclair Community College

First- and Second-Year Plan of Study

(Uses MU Course Numbers)

First Year

First Semester	Second Semester
ENG111 (3)	ENG112 (3)
MTH151 (5)	MTH251 (4)
PHY181 (4)	PHY182 (4)
PHY183 (1)	PHY184 (1)
EAS101 (1)	EAS102 (3)
Miami Plan Foundation (3)	Miami Plan Foundation (3)

Second Year

First Semester	Second Semester
CHM141 (3)	STA368 (4) or STA301 (3)
CHM144 (2)	MME223 (3) or CSE271 (3)
MME211 (3) or CSE174 (3)	ECE205 (3) or Miami Plan Found. (3)
MME213 (3) or Miami Plan Bio. (3)	ACC221 (3)
ECO201 (3)	ECO202 (3)
MTH245 (3) or MTH231 (3)	

Miami University/Sinclair Community College Course Equivalencies

Miami University			Sinclair Community College		
ACC 221	Introduction to Financial Accounting	3	ACC 121	Introduction to Financial Accounting	5
CHM 141/144	College Chemistry & Lab	3/2	CHE 151/152	General Chemistry	5/5
ECO 201	Principles of Microeconomics	3	ECO 218	Principles of Microeconomics	4
ECO 202	Principles of Macroeconomics	3	ECO 216	Principles of Macroeconomics	4
ENG 111/112	College Composition/Composition & Literature	3/3	ENG 111/112/113	English Composition I/II/III	3/3/3
MGT 291	Organizational Behavior & Theory	3	MAN 225	Human Relations & Organizational Behavior	3
MKT 291	Principles of Marketing	3	MRK 201/202	Marketing I/II	3/3
MTH 151/251	Calculus I/Calculus II	5/4	MAT 201/202/203	Calculus & Analytic Geometry I/II/III	5/5/5
MTH 245	Differential Equations for Engineers	3	MAT 215	Elementary Differential Equations	5
PHY 181/182/183/184	The Physical World & Labs	4/4/1/1	PHY 201/202/203	College Physics I/II/III	6/6/6
Miami Plan Biological Science	TBD	3-4	Please see Miami Plan equivalencies chart	TBD	TBD
Miami Plan Fine Arts	TBD	3	Please see Miami Plan equivalencies chart	TBD	TBD
Miami Plan Humanities	TBD	3	Please see Miami Plan equivalencies chart	TBD	TBD
Miami Plan Global Perspect.	TBD	9	Please see Miami Plan equivalencies chart	TBD	TBD
CSE 174	Fundamentals of	3	No known equivalent	N/A	N/A

	Programming & Problem Solving				
CSE 271	Object-Oriented Programming	3	No known equivalent	N/A	N/A
EAS 101	Computing, Engineering & Society	1	No known equivalent	N/A	N/A
EAS 102	Problem Solving & Design	3	No known equivalent	N/A	N/A
ECE 205	Linear Circuit Analysis I	3	No known equivalent	N/A	N/A
MGT 302	Operations Management	3	No known equivalent	N/A	N/A
MME 211	Static Modeling of Mechanical Systems	3	No known equivalent	N/A	N/A
MME 213	Computational Methods in Engineering	3	No known equivalent	N/A	N/A
MME 223	Engineering Materials	3	No known equivalent	N/A	N/A
MTH 231	Elements of Discrete Mathematics	3	No known equivalent	N/A	N/A
STA 301	Applied Statistics	3	No known equivalent	N/A	N/A
STA 368	Introduction to Statistics for Engineers	4	No known equivalent	N/A	N/A