

Total Units: _____ **Over 18 units is an overload. Are you overloaded? Yes** **No**

Notes: _____

Advisor Signature: _____ Date: _____

Student Signature: _____ Date: _____

2021-2022 Catalog for Industrial Engineering

Course Number		Title	Prerequisite	✓
Semester	Quarter	Lower Division Core Courses 37units		
Students need a "C" or better in MATH 130, MATH 131, MATH 210				
ACCT 210	ACCT 2251	Introduction to Financial Accounting		
CHEM 110		General Chemistry for Engineering	Co-req MATH 130, MATH 125, OR MATH130	
CMGT 101	CMGT 1011	Introduction to Construction Management		
CMGT 142	ENGR 1420	Construction Graphics and Plans Reading		
CMGT 201	CMGT 2011	Surveying	MATH 130	
CMGT 206	CMGT 2060	Construction Methods	CHEM 110, CMGT 101, PYS 125 Co-req PHYS 126	
CMGT 207	CMGT 2070	Construction MethodsI	CMGT 206	
ECON 200	ECON 2301	Principles of Microeconomics	Intermediate Algebra	
MATH 130	1304, 1305	Calculus I	MATH 120 OR MATH 125	
PHYS 125	PHYS 2701	Principles of Physics I	MATH 120 Co-req MATH 120	
PHYS 126	PHYS 2702	Principles of Physics II	PHYS 125	
PSYC 100	PSYC 1000	General Psychology		
Upper Division Core Courses 41 Units				
CMGT 310	CMGT 3101	Statics and Strength of Materials	PHYS 125	
CMGT 320	CMGT 3280	Construction Law	Construction Management Major	
CMGT 325	3250 OR 4250	Electrical & Mechanical Systems in Construction	PHYS 126	
CMGT 340	CMGT 4400	Construction Cost Estimating	Department Consent	
CMGT 345	CMGT 3450	Building Codes and Commissioning	CMGT 207	

CMGT 350	CMGT 4200	Construction Project Planning, Scheduling & Control	CMGT 207	
CMGT 360	CMGT 3600	Soil Mechanics and Building Foundations	CMGT 310	
CMGT 410	CMGT 4100	Building Information Modeling	CMGT 142	
CMGT 430	CMGT 4300	Environmental Issues & Green Building	CMGT 207	
CMGT 440	CMGT 3400	Construction Project Management	Department Consent	
CMGT 480	CMGT 4800	Construction Safety		
CMGT 493	CMGT 4620	Senior Project	Department consent & senior standing. Co-req 1 OR more CMGT 410, CGMT 440, CMGT 480	
MGMT 312	MGMT 3610	Human Resources Management	Junior or Higher standing	
Elective Courses - Select 1 Courses for 3 Units				

ACCT 215	ACCT 2253	Introduction to Managerial Accounting	ACCT 210	
ACCT 302	ACCT 3230	Cost Accounting	ACCT 215	
BUS 220	ACCT 2701	Legal Environment of Business		
BUS 330	FIN 3300	Financial Management	ACCT 210, ECON 200, ECON 205, MATH 180, STAT 110	
FIN 480	FIN 4410	Real Estate Finance		
FIN 482	FIN 4415	Real Estate Valuation		
MGMT 314	MGMT 3600	Leadership and Management	Completion of GE areas A1, A2, & A3	
MGMT 350	MGMT 3100	Decision Science	MATH 180, STAT 110	
MGMT 364	MGMT 3645	Global Supply Chain Management	BUS 360	