

General Engineering – Innovation/Entrepreneurship Concentration

INNOVATION / ENTREPRENEURSHIP Concentration					5-19-2021
FALL	Freshman			SPRING	Freshman
MATH 121	Calculus with Analytical Geom. I	3		MATH 122	Calculus with Analytical Geom. II
ECON 101	EPPS	3		CHEM 122/L	General Chemistry II
CHEM 121/L	General Chemistry I	4		PHYS 121/L	General Physics I
ENGR 101	Intro. to Engineering I	1		ENGR 102	Intro. to Engineering II
WRIT 102	Research Writing	3		LIT 104	LIT 104, 201, 202, 207 or 270
CORE 113	First Year Seminar	3		CORE 104	Community Enrichment
CORE 103	Community Enrichment	0		ENGR 193	Freshman Engineering Seminar
ENGR 192	Freshman Engineering Seminar	0		RLST 105	Franciscan Goals for Today
	Total	17			Total
					18
FALL	Sophomore			SPRING	Sophomore
MATH 221	Calculus III	3		MATH 306	Diff. Eqns. I
PHYS 122/L	General Physics II	4		PHIL 205	Philosophy
ENGR 210/L	Programming for Engineers	2		ENGR 293	Sophomore Engineering Seminar
ENGR 201	Engineering Statics	3		ENGR 202	Engineering Dynamics
ENGR 250	Solid Modeling & CAD	3		ENGR 325	Fundamentals of Electrical Engineering
ENGR 292	Sophomore Engineering Seminar	0		ENGR 315/L	Mechanics of Materials
HIST 100/200	History 100/200	3		ENGR 279	Sophomore Engin. Design for Service
	Total	18			Total
					17
FALL	Junior			SPRING	Junior
MATH 322	Linear Algebra	3		CPSC241	Applied Programming Languages
ENGR 301/L	Fluid Mechanics	4		ENGR 335	Engineering Instrumentation
ENGR 350	Material Science	3		ENGR 375	Heat Transfer
ENGR 321	Applied Engineering Thermodynamics	3		ENGR 393	Junior Engineering Seminar
EXAM 301	Writing Comp Exam	0		ENGR 360	Technical Innovation
ENGR 392	Junior Engineering Seminar	0		MGMT 332	The Entrepreneurial Mind: Creativity and Innovation
MGMT 331	Entrepreneurship	3		FNAR	Fine Arts Elective
				ENGR 379	Junior Engin. Design for Service
	Total	16			Total
					17
FALL	Senior			SPRING	Senior
MGMT 333	Social Entrepreneurship	3		RLST/PHIL	Religious Studies/Philosophy
EPPS	EPPS	3		LANG	Language 102+
ENGR 492	Senior Engineering Seminar	0		EPPS	EPPS
ENGR 497	Capstone Design Proposal	1		CORE 407	Keystone Seminar
ENGR 415	Senior Lab	3		ENGR 493	Senior Engineering Seminar
ENGR 103	Tech. applications of sUAS	1		ENGR 498	Capstone Design
DIV REQ	Diversity Requirement	3		MGMT 335	Financing Entrepreneurial Ventures
ENGR 427	Power & Thermal Systems Lab	1			
	Total	15			Total
					18
EPPS* ECON 101, PLSC 100-200, PSYC 101, SOC 100-200					
(136 Total credits: 49 credits ENGR; 33 credits Technical Electives; 12 credits Collateral; 42 General Education)					