

Name: _____

PSU ID: _____

Dual Degree Program Courses for Engineering Majors***The Pennsylvania State University****Dual Degree Institution: Inter American University of PR**

PSU Course	Credits	Course Title	PSU Majors	2+2 Course	Credits	Grade
BIOL 141, 142	3, 1	Physiology and Lab	Elective for E SC	BIOL 1006	4	
CAS 100	3	Effective Speech	ALL	ENGL 3310	3	
CHEM 110	3	Chemical Principles I	ALL except CMPSC	CHEM 2115	4	
CHEM 111	1	Experimental Chemistry I	ALL except CMPSC	Part of CHEM 2115	----	
CHEM 112	3	Chemical Principles II	Elective for E SC ALL EMS except MNG E	CHEM 2212	4	
CHEM 113	1	Experimental Chemistry II	MATSE	Part of CHEM 2212	----	
CHEM 210	3	Organic Chemistry I	MATSE (PLMSE), ENENG	CHEM 2221	4	
CHEM 212, 213	3, 2	Organic Chemistry II and Lab	MATSE (PLMSE)	CHEM 2222	4	
CMPEN 270	4	Introduction to Digital Systems & Lab	CMPEN, CMPSC, E E	ELEN 3321	4	
CMPSC 121, 122	3, 3	Intermediate Programming	CMPEN, CMPSC	No Equivalent	----	
CMPSC 201	3	Computer Programming for Engineers	ALL except B E, CMPEN, CMPSC	ENGR 2120	3	
E E 210	4	Circuits and Devices	CMPEN, E E, E SC	ELEN 3301	4	
E MCH 211	3	Statics	ALL except MATSE (PLMSE), ENENG	MECN 3005	3	
E MCH 212	3	Dynamics	ALL except MATSE (PLMSE), ENENG	MECN 3010	3	
E MCH 213	3	Strength of Materials	ALL except ENVSE, MATSE (PLMSE), ENENG	MECN 3135	3	
ECON 102 or 104	3	Intro. Microecon. or Macroecon. Analysis and Policy (GS)	ALL	ECON 1212	3	
EDSGN 100	3	Introduction to Engineering Design	ALL except CMPEN, ENVSE, MATSE, PNG E and ENENG	ENGR 1100 & ENGR 3120	6	
ENGL 015	3	Rhetoric and Composition	ALL	ENGL 3007	3	
ENGL 202C	3	Effective Writing: Technical Writing		ENGL 3030	3	
GEO SC 001	3	Physical Geology	PNG E, ENVSE, MNG E	GEOG 2034	3	

Name: _____

PSU ID: _____

Dual Degree Program Courses for Engineering Majors***The Pennsylvania State University****Dual Degree Institution: Inter American University of PR**

PSU Course	Credits	Course Title	PSU Majors	2+2 Course	Credits	Grade
MATH 140	4	Calculus and Analytic Geometry I	ALL	MATH 2251	5	
MATH 141	4	Calculus and Analytic Geometry II		MATH 2252	4	
MATH 220	2	Matrices	ALL except B E, PNG E, ENENG	MATH 3350	3	
MATH 231	2	Calculus and Vector Analysis	ALL except ENVSE, MNG E	MATH 3250	3	
MATH 250	3	Ordinary and Partial Differential Equations	ALL	MATH 3400	3	
M E 201/300	3	Introduction to Thermal Science/ Engineering Thermodynamics I	ALL except CMPEN, E E, E SC, MNG E and ENENG	ENGR 3343	4	
PHYS 211	4	General Physics (Mechanics)	ALL	PHYS 3311	4	
PHYS 212	4	General Physics (Electricity and Magnetism)		PHYS 3312	4	
PHYS 213	2	Fluids & Thermodynamics	E E, E SC, PNG E, MNG E	No Equivalent	----	
PHYS 214	2	Waves & Quantum Physics	ALL except B E, ENVSE, PNG E, MNG E, and ENENG	No Equivalent	----	
STAT 401	3	Experimental Methods/ Probability	CMPEN, E E	MATH 3091	3	
General Education Electives		e.g. Architecture, Art History, Integrative Arts, Landscape Architecture, Music, Theatre Arts	ALL			
Arts Electives (GA)	6					
Health (GHA)	3	Health Education and Exercise and Sport Activities				
Humanities Electives (GH)	6	e.g. American Studies, Classics, History, Humanities, Multi-Ethnic Studies, Philosophy, Religious Studies				
Social & Behavioral Science Elective (GS)	3	e.g. Anthropology, Human Development, Political Science, Psychology, Sociology	PNGE, MNG E, and ENENG require an ethics elective			

*** College of Engineering (EN) Majors:**

AERSP	Aerospace Engineering	E E	Electrical Engineering
B E	Biological Engineering	E SC	Engineering Science
BIOE	Bioengineering	I E	Industrial Engineering
CH E	Chemical Engineering	M E	Mechanical Engineering
C E	Civil Engineering	NUC E	Nuclear Engineering
CMPEN	Computer Engineering		

***College of Earth and Mineral Sciences (EMS) Majors:**

ENENG	Energy Engineering
ENVSE	Environmental Systems Engineering
MATSE	Material Science and Engineering
(PLMSE)	Polymer Science and Engineering
	Option of MATSE
MNG E	Mining Engineering
PNG E	Petroleum and Natural Gas Engineering