

## CEA - Madrid Engineering - University Carlos III de Madrid

Please note all students must submit major/support substitution petitions to receive transfer credit

Partner School Courses	AERO	BMED	CE	CPE	CSC	EE	ENVE	GENE	IE	MATE	ME	MFG	SE	Calpoly Equivalent
Physics III	X	X	X	X	X	X	X	X	X	X	X	X	X	PHYS 133
Applied Differential Calculus	X	X	X	X	X	X	X	X	X	X	X	X	X	MATH 244
Electrical Power Engineering	X	X*	X*					X	X	X	X	X		EE 201/251
Electric Power Generation						X					X			EE 255/295
Electronics Engineering Systems		X*							X		X	X		EE 321/361
Electronics Engineering Fundamentals		X							X		X	X		EE 321/361
Strength of Materials or Elasticity^	X	X	X				X	X	X	X	X	X		CE 204
Elasticity and Strength of Materials^	X	X*	X				X		X*	X*	X	X*		CE 207
Numerical Computing		X	X				X			X	X			CSC 231
Computer Architecture				X	X	X								CPE 315
Material Science and Engineering	X	X	X	X*		X*		X	X	X	X	X		MATE 210/215
Mechanics of Structures	X	X	X	X*		X*	X	X	X	X	X	X		ME 211
Machine Mechanics	X	X	X			X*		X	X	X*	X	X		ME 212
Engineering Fluid Mechanics		X	X			X*		X	X*	X*	X	X*		ME 341
Thermal Engineering		X	X			X*		X	X*		X	X		ME 302
Machine Theory											X			ME 329
Computing Technologies for the Web				X	X								X	CSC Tech Elective
Computer Networks				X	X								X	CSC Tech Elective
Heuristics and Optimization									X					Technical Elective (UD ENGR)
Industrial Automation I									X					Technical Elective (UD ENGR)
Modern Theory of Detection & Estimation														Technical Elective (UD ENGR)
Access Networks & Shared Media									X					Technical Elective

\*Check your major concentration or electives

^Note these courses are offered in Spanish

Partner School Course	Calpoly Equivalent GE Course
Spanish Art Masters In Madrid Museums (lower division)	C3
Art History I (lower division)	C3
History of Cinema (upper division)	C3 or C4
Spain in Progress, Spanish Society Today (lower division)	D3 or D5
History of Spain (lower division)	D3
Spanish History: 20th Century (lower division)	D3
Comparative Sociology (lower division)	D3
Sociology (lower division)	D3
Spanish Language: Basic Level (lower division)	C1 or C2
Political Philosophy (lower division)	C2
Film Studies (upper division)	C3