

# SEAS NO ENGINEERING REQ (EUNE)

Code	Title	Course Units
ARCH 7210	Designing Smart Objects for Play and Learning	1
ARCH 7250	Design Thinking	1
ARCH 7280	Design of Contemporary Products: Design for Equity, Inclusion and Accessibility	1
ARCH 7440	Image, Object, Architecture	1
CBE 2970	Study Abroad	1
CIS 1050	Computational Data Exploration	1
CIS 1250	Technology and Policy	1
CIS 1600	Mathematical Foundations of Computer Science	1
CIS 2610	Discrete Probability, Stochastic Processes, and Statistical Inference	1
CIS 3333	Mathematics of Machine Learning	1
CIS 4230	Ethical Algorithm Design	1
CIS 5230	Ethical Algorithm Design	1
CIS 7980	Explaining Explanation	1
CIT 5900	Programming Languages and Techniques	1
CIT 5910	Introduction to Software Development	1
CIT 5920	Mathematical Foundations of Computer Science	1
CIT 5930	Introduction to Computer Systems	1
CIT 5940	Data Structures and Software Design	1
CIT 5950	Computer Systems Programming	1
CIT 5960	Algorithms and Computation	1
CLST 3803	Curiosity: Ancient and Modern Thinking about Thinking	1
COMM 8980	Explaining Explanation	1
EAS 2030	Engineering Ethics	1
EAS 2200	SEAS Global Program - Argentina I	1
EAS 2210	SEAS Global Program - Argentina II	1
EAS 2220	SEAS Global Program - China I	1
EAS 2230	SEAS Global Program - China II	1
EAS 2240	SEAS Global Program - Guatemala I	1
EAS 2250	SEAS Global Program - Guatemala II	1
EAS 2260	SEAS Global Program - Rwanda I	1
EAS 2270	SEAS Global Program - Rwanda II	1
EAS 2280	SEAS Global Program - Ghana I	1
EAS 2290	SEAS Global Program - Ghana II	1
EAS 2420	Energy Education in Philadelphia Schools	1
EAS 2440	Curiosity: Ancient and Modern Thinking about Thinking	1
EAS 2610	Emerging Technologies and the Future of the World	1
EAS 3010	Climate Policy and Technology	1
EAS 3060	Electricity and Systems Markets	1
EAS 4010	Energy and Its Impacts: Technology, Environment, Economics, Sustainability	1
EAS 4020	Renewable Energy and Its Impacts: Technology, Environment, Economics, Sustainability.	1
EAS 4030	Energy Systems and Policy	1
EAS 4990	Senior Capstone Project	1
EAS 5010	Energy and its Impacts: Technology, Environment, Economics, Sustainability.	1
EAS 5020	Renewable Energy and Its Impacts: Technology, Environment, Economics, Sustainability	1
EAS 5030	Energy Systems and Policy	1
EAS 5050	Climate Policy and Technology	1
EAS 5060	Electricity and Systems Markets	1
EAS 5070	Intellectual Property and Business Law for Engineers	1
EAS 5100	Technical Communication and Academic Writing for Non-native Speakers of English	1
EAS 5120	Engineering Negotiation	1
EAS 5450	Engineering Entrepreneurship I	1
EAS 5460	Engineering Entrepreneurship II	1
EAS 5490	Engineering Entrepreneurship Lab	1
EAS 5900	Commercializing Information Technology	1
EAS 5910	Leading Technology Teams	0.5
EAS 5920	Service Learning and Leadership	1
EAS 5950	Foundations of Leadership	1
EAS 8940	Master's Curricular Practical Training (CPT), part-time	0.5
EAS 8960	Professional Master's Career Development	1
EAS 8970	Master's Curricular Practical Training (CPT)	1
EAS 8980	PhD Curricular Practical Training (CPT)	1
EAS 9000	Responsible Conduct for Research (RCR), Engineering	0
ENM 2400	Differential Equations and Linear Algebra	1
ENM 2510	Analytical Methods for Engineering	1
ENM 3600	Introduction to Data-driven Modeling	1
ENM 3750	Biological Data Science I - Fundamentals of Biostatistics	1
ENM 5020	Numerical Methods and Modeling	1
ENM 5030	Introduction to Probability and Statistics	1
ENM 5100	Foundations of Engineering Mathematics - I	1
ENM 5110	Foundations of Engineering Mathematics - II	1
ENM 5120	Nonlinear Dynamics and Chaos	1
ENM 5200	Principles and Techniques of Applied Math I	1
ENM 5210	Principles and Techniques of Applied Math II	1
ENM 5310	Data-driven Modeling and Probabilistic Scientific Computing	1
ENM 5400	Topics In Computational Science and Engineering	1
ESE 2960	Study Abroad	1

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ESE 3010	Engineering Probability	1
ESE 4020	Statistics for Data Science	1
INTG 2610	Emerging Technologies and the Future of the World	1
INTG 3440	Curiosity: Ancient and Modern Thinking about Thinking	1
IPD 5030	Design Fundamentals	1
IPD 5090	Needfinding	1
IPD 5210	Designing Smart Objects for Play and Learning	1
IPD 5280	Design of Contemporary Products: Design for Equity, Inclusion and Accessibility	1
IPD 5440	Image, Object, Architecture	1
IPD 5450	Engineering Entrepreneurship I	1
IPD 5680	Integrative Design Studio: Biological Design	1
IPD 5720	Design Thinking	1
MEAM 1100	Introduction to Mechanics	1
MEAM 1470	Introduction to Mechanics Lab	0.5
MSE 2210	Quantum Physics of Materials	1
MSE 2960	Study Abroad	1
OIDD 9530	Explaining Explanation	1
PSCI 2401	Emerging Technologies and the Future of the World	1