

Materials Science and Engineering: Course List with Offering Schedule

Course Number	Course Title	Mode ¹	Academic Term			Session Days and Times ²
			Fall	Spring	Summer	
EN.515.601 (82)	Structure and Properties of Materials	Online	•			
EN.515.602 (81)	Thermodynamics and Kinetics of Materials	Online		•		
EN.515.603 (01)	Materials Characterization	In-person, Homewood Campus	•			TTh 9:00 - 10:15AM
EN.515.615 (01)	Physical Properties of Materials	In-person, Homewood Campus		•		TTh 3:00 - 4:15PM
EN.515.616 (81)	Introduction to Nanotechnology	Online	•			
EN.515.617 (81)	Nanomaterials	Online		•	•	
EN.515.621 (01)	Biomolecular Materials I: Soluble Proteins & Amphiphiles	In-person, Homewood Campus	•			MF 1:30 - 2:45PM
EN.515.628 (3VL)	Introduction to Solid State Chemistry	Online and in-person, Applied Physics Laboratory	•			T 4:30 - 7:10PM
EN.515.628 (3VL)	Introduction to Solid State Chemistry	Online and in-person, Applied Physics Laboratory	•			T 4:30 - 7:10PM
EN.515.634 (3VL)	Fundamentals of Metamaterials	Online and in-person, Applied Physics Laboratory		•		T 4:30 - 7:10PM
EN.515.635 (81)	Mechanical Properties of Materials	Online		•		

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			Fall	Spring	Summer	
EN.515.636 (8VL)	Chemical Synthesis and Processing of Advanced Materials	Online and in-person, Applied Physics Laboratory		•		M 7:20 - 10:00PM
EN.515.640 (01VL)	Stealth Science and Engineering	Online and in-person, Homewood Campus	•			TTh 4:30 - 5:45PM
EN.515.655 (3VL)	Metal Additive Manufacturing	Online and in-person, Applied Physics Laboratory		•		W 4:30 - 7:10PM
EN.515.658 (3VL)	Design for Additive Manufacturing	Online and in-person, Applied Physics Laboratory	•			M 7:20 - 10:00PM
EN.515.661 (81)	Introduction to Polymer Science	Online	•			
EN.525.691 (81)	Fundamentals of Photonics	Online		•		
EN.535.606 (81)	Advanced Strength of Materials	Online		•		
EN.535.635 (31)	Introduction to Mechatronics	In-person, Applied Physics Laboratory		•		M 4:30 - 7:10PM
EN.535.684 (81)	Modern Polymeric Materials	Online		•		
EN.535.731 (81)	Engineering Materials: Properties and Selection	Online	•			
EN.585.708 (84)	Biomaterials	Online			•	
EN.585.710 (81)	Biochemical Sensors	Online	•	•		
EN.615.665 (81)	Modern Physics	Online		•	•	

Course Number	Course Title	Mode ¹	Academic Term			Session Days and Times ²
			Fall	Spring	Summer	
EN.615.780 (81)	Optical Detectors & Applications	Online	•			

¹ “Mode” indicates the delivery format for the course:

Online = asynchronous course delivery using Canvas.

Online and In-person = synchronous course delivery to students in the classroom as well as to students attending remotely (also referred to as Virtual Live = VL).
Classroom location is indicated.

In-person = no online participation is offered. Traditional instruction in a classroom. Classroom location is indicated.

² “Session Days and Times” indicates the class meeting times for courses that are Virtual Live or are In-person. Times are for the Eastern Time Zone.