

Bachelor of Science in Engineering Sciences

Sample Schedule of Classes

Sample Schedule

	Fall 1	Spring 1	Fall 2	Spring 2	Fall 3	Spring 3	Fall 4	Spring 4
Foundation	Freshman Seminar 1	Freshman Seminar 2	Armenian Language & Literature 1	Armenian Language & Literature 2	Armenian History 1	Armenian History 2		
Natural Science	Chemistry	Mechanics	Electricity and Magnetism					
	Chemistry Lab (1)	Mechanics Lab (1)	Electricity and Magnetism Lab (1)					
Math	Single Variable Calculus (4)	Multivariable Calculus (4)	Linear Algebra and Ordinary Differential Equations (4)	Probability and Statistics				
Computer Science	Discrete Math	Introduction to Programming (4)	Data Structures and Algorithms		Computer Organization			
Mechanical Core				Engineering Statics	Engineering Dynamics	Signals and Systems		
Electrical Core				Circuits			Embedded Systems	
				Circuits Lab (1)				
Upper Division Engineering						Distribution Requirement 1		Distribution Requirement 2
					Computer Aided Design	Numerical Methods	Controls Systems 1	Controls Systems 2
							Controls Systems 1 Lab (1)	Controls Systems 2 Lab (1)
							Mechatronics Design	Capstone
Gen-Ed	Gen-Ed 1		Gen-Ed 2	Gen-Ed 3	Gen-Ed 4		Gen-Ed 5	Gen-Ed 6
Free Electives						Free Elective 1	Free Elective 2	Free Elective 3
Total Credits	17 credits	15 credits	17 credits	16 credits	15 credits	15 credits	16 credits	16 credits

Distribution Requirement 1		
Introduction to Materials Science	Data Science with R	Introduction to Fluid Mechanics
Introduction to Chemical Engineering	Machine Learning	Thermodynamics
	Heat Transfer	

Distribution Requirement 2		
Biotechnology	Bioinformatics	Alternative Energy
Project Management	Resource Management	Environmental Engineering
	Biology	