

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 English 1	Freshman English 2	Armenian Language & Literature 1	Armenian Language & Literature 2	Armenian History 1	Armenian History 2		
Natural Science	Chemistry	Mechanics	Electricity and Magnetism					
	Chemistry Lab	Mechanics Lab	Electricity and Magnetism Lab					
Math	Single Variable Calculus	Multivariable Calculus	Linear Algebra and Ordinary Differential Equations	Probability and Statistics				
Computer Science	Introduction to Programming	Discrete Math	Data Structures and Algorithms		Computer Organization			
Mechanical Core				Engineering Statics	Engineering Dynamics	Signals and Systems		
Electrical Core				Circuits		Embedded Systems		
				Circuits Lab				
Upper Division Engineering					Distribution Requirement 1			Distribution Requirement 2
					Computer Aided Design		Mechatronics Design	Capstone
						Controls Systems 1	Controls Systems 2	
						Controls Systems 1 Lab	Controls Systems 2 Lab	
							Numerical Methods	
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	15 credits	17 credits	17 credits	16 credits	15 credits	16 credits	16 credits	15 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	