

## 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
<b>Foundation</b>	Freshman Seminar 1	Freshman Seminar 2	Armenian Language & Literature 1	Armenian Language & Literature 2	Armenian History 1	Armenian History 2		
<b>Natural Science</b>	Chemistry	Mechanics	Electricity and Magnetism					
	Chemistry Lab	Mechanics Lab	Electricity and Magnetism Lab					
<b>Math</b>	Single Variable Calculus	Multivariable Calculus	Linear Algebra and Ordinary Differential Equations	Probability and Statistics				
<b>Computer Science</b>	Discrete Math	Introduction to Programming	Data Structures and Algorithms		Computer Organization			
<b>Mechanical Core</b>				Engineering Statics	Engineering Dynamics	Signals and Systems		
<b>Electrical Core</b>				Circuits		Embedded Systems		
				Circuits Lab				
<b>Upper Division Engineering</b>					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	
<b>Gen-Ed</b>							Gen-Ed 5	Gen-Ed 6
	Gen-Ed 1		Gen-Ed 2	Gen-Ed 3			Gen-Ed 4	
<b>Free Electives</b>						Free Elective 1	Free Elective 2	Free Elective 3
<b>Total Credits</b>	<b>17 credits</b>	<b>15 credits</b>	<b>17 credits</b>	<b>16 credits</b>	<b>15 credits</b>	<b>16 credits</b>	<b>16 credits</b>	<b>15 credits</b>

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

<b>Distribution Requirement 2</b>		
Biotechnology	Bioinformatics	Alternative Energy
Project Management	Resource Management	Environmental Engineering
	Biology	