

## 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 (1)	Mechanics Lab (1)	Electricity and Magnetism Lab (1)					
<b>Math</b>	Single Variable Calculus (4)	Multivariable Calculus (4)	Linear Algebra and Ordinary Differential Equations (4)	Probability and Statistics				
<b>Computer Science</b>	Discrete Math	Introduction to Programming (4)	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 (1)	Embedded Lab (1)			
<b>Upper Division Engineering</b>						Distribution Requirement 1		Distribution Requirement 2
					Computer Aided Design	Numerical Methods	Controls Systems	Mechatronics Design
							Controls Systems Lab (1)	
						Capstone (6)		
<b>Gen-Ed</b>	Gen-Ed 1		Gen-Ed 2	Gen-Ed 3		Gen-Ed 4	Gen-Ed 5	Gen-Ed 6
<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>16 credits</b>	<b>18 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
Quantum Computing	Heat Transfer	Cybersecurity

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