

General Science

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The General Science Department includes

Subject	Concept
Physics	Laws of the natural world
Chemistry	
Mathematics	Relationship between parameters

The General Sciences provide a more holistic approach to students. This allows students to have a broader perspective when tackling problems, and hence help prepare them for the real world. The concepts are taught by the department through

- Foundation Courses
- CDCs (Compulsory Departmental Courses)
- Elective Courses

Course Type	Provides	Example	Focus
Foundation	Broad perspective of various fields	MOW	Laws of Motion
		General Chemistry	Organic, Inorganic, Physical
		Math	Vector Calculus, Complex System, Differential Equations
		P&S	Statistics
CDCs		Discrete Structures for CS	Math relevant to CS (Graphs, Trees)
		EVS	Our actions and their implications
Electives	Applications of concepts	Inter-disciplinary Projects	
		Number Theory	Numbers, computing, information theory
		Numerical Analysis	Numerical Procedures, Algorithms to solve Math Problems
		Optimization	Maximization/Minimization of Parameters
		Nanosciences	Synthesis and study of nanomaterials

Why study EVS? Is it even a STEM subject? ☹️

- Engineers solve problems, but the ends don't necessarily justify the means
- It is our responsibility as engineers to ensure that we don't harm the environment

For more details, please refer to [General Science Courses](#)