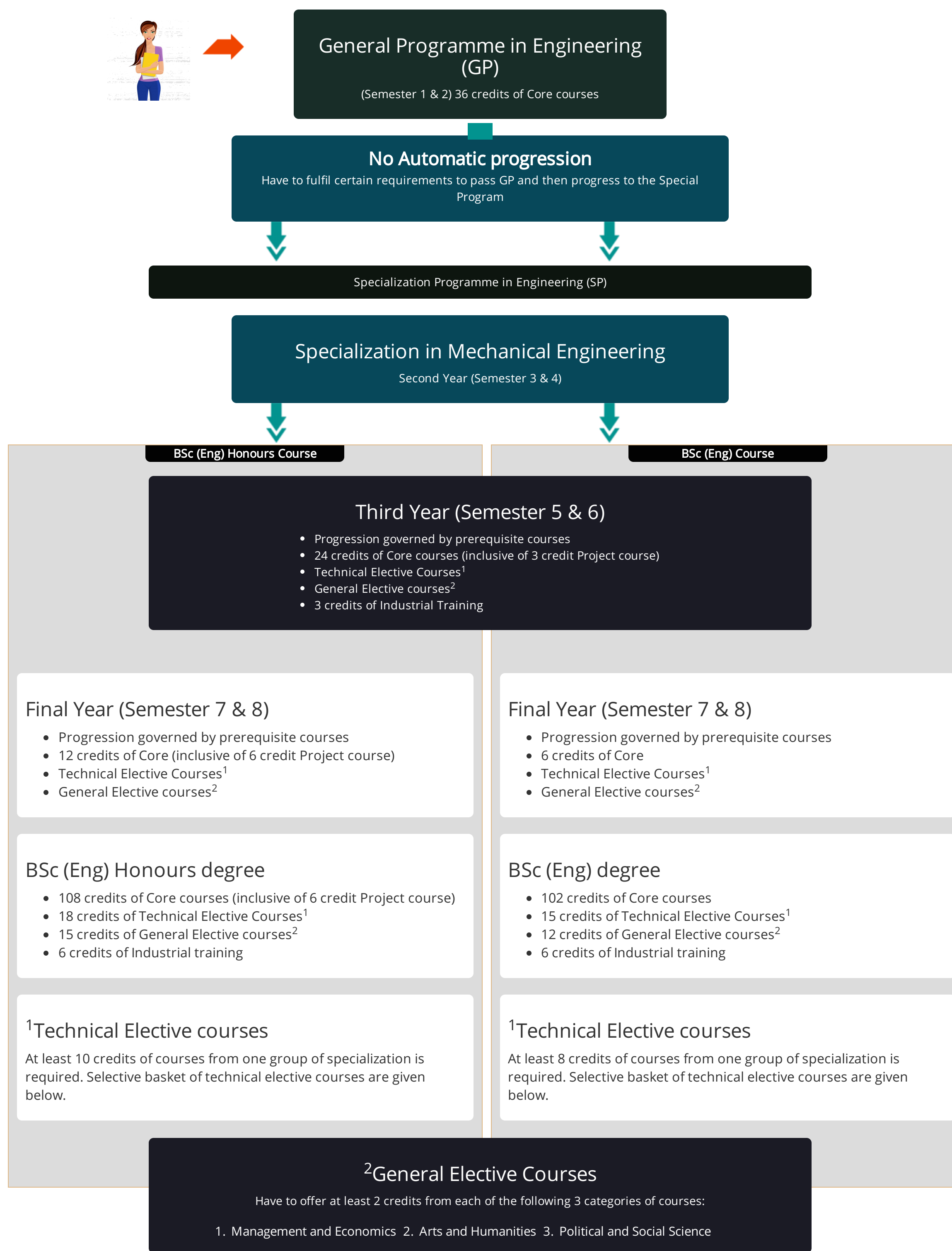


## Programme Structure



### Technical Electives

Technical Electives adds the required flexibility into the programme by providing the students with an opportunity to select courses of their choice.

### General Electives

There are a number of non-technical courses, known as General Elective courses, on offer covering a broad spectrum of disciplines including finance, law, management, arts & humanities, health safety & environmental, communication etc. add a multi-disciplinary flavour into the mechanical engineering curricular in order to help our graduates to become well-rounded engineers.

## Specialisations

The Technical Electives enable the students to choose an area of specialization from **'Materials & Machines'**, **'Control & Automation'** and **'Power & Energy'**

### *Selective basket of technical elective course units from E11 batch of students*

A minimum of 10 credits of courses should be claimed for the degree if seeking Honours

OR

A minimum of 8 credits of courses should be claimed if not seeking an Honours degree

From the following technical electives

Group A - Materials and Machines		Group B - Control & Automation		Group C - Power and Energy	
Courses	Credit	Courses	Credit	Courses	Credit
ME326 Introduction to Research Methodologies	1	ME326 Introduction to Research Methodologies	1	ME326 Introduction to Research Methodologies	1
ME502 Ergonomics	2	ME505 Advanced Controls	2	ME501 Heat Transfer	2
ME503 Composite Materials	2			ME508 Automobile Engineering	2
ME511 Advanced Vibration Theory	2	ME511 Advanced Vibration Theory	2	ME512 Energy Technology (2) OR ME330 Energy Technology (3) OR CP508 Energy Technology for the Process Industry (3)	
ME520 Computer Aided Modelling and Finite Element Analysis	3	ME515 Mechatronics	3	ME513 Applied Thermodynamics III	2
CE401 Mechanics of materials III	3	ME518 Rigid Body Dynamics	3	ME520 Computer Aided Modelling and Finite Element Analysis	3
PR510 Manufacturing Technology III	3	ME520 Computer Aided Modelling and Finite Element Analysis	3	CP305 Energy Systems Design OR ME329 Thermal Systems Design	3
CP513 Industrial Fluid Mechanics	3	EE594 Industrial Robotics and Automation	3	CP509 Petroleum Eng	3
		CO 542 Neural Networks and Fuzzy Systems	3	CP513 Industrial Fluid Mechanics	3