

Engineering and Technology

Suggested Combination:	Engineering, Maths, Design and Technology
<p>The great thing about the academic pathway is that it allows you to choose 3 Subjects. This gives you the advantage of choosing a wide range of future careers. Below we have included a sample of future pathways associated with an Engineering and Technology direction. To find out more information and possible future pathways for this Subject combination log on to UNIFROG by following this link https://www.unifrog.org/student/subjects</p>	
Possible Degrees and Apprenticeships	<p>BEng in Mechanical Engineering, BEng in Electrical Engineering, BEng in Civil Engineering, BEng in Aerospace Engineering, BEng in Chemical Engineering, BEng in Materials Engineering, BEng in Product Design Engineering, BEng in Mathematics and Engineering, BEng Marine Engineering.</p> <p>BA/BSc in Product Design, BEng in Product Design Engineering, BA/BSc in Industrial Design, BA/BSc in Graphic Design, BA in Graphic Communication, BA/BSc in Interaction Design, BSc in Automotive Design Engineering, BA in Automotive Design, BA/BSc in Architectural Design.</p>
Possible Careers and Apprenticeships	<p>Mechanical Engineer: Design, analyse, and manufacture mechanical systems and devices.</p> <p>Electrical Engineer: Develop and maintain electrical systems, including power generation and electronics.</p> <p>Civil Engineer: Plan, design, and oversee the construction of infrastructure projects like bridges, roads, and buildings.</p> <p>Aerospace Engineer: Work on the design and development of aircraft, spacecraft, and related systems.</p> <p>Chemical Engineer: Design processes and systems for the production of chemicals and related products.</p> <p>Materials Engineer: Research and develop materials with specific properties for various applications.</p> <p>Product Design Engineer: Create and improve product designs, considering functionality, aesthetics, and manufacturing processes.</p> <p>Mathematics and Engineering Researcher: Engage in research that applies mathematical principles to solve engineering challenges.</p> <p>Product Designer: Create and develop innovative products, considering functionality, aesthetics, and user experience.</p> <p>Industrial Designer: Design a wide range of products, from consumer goods to machinery, focusing on form and function.</p> <p>Graphic Designer: Use visual elements to communicate ideas and messages through print or digital media.</p> <p>Interaction Designer: Design user interfaces and experiences for digital products, apps, and websites.</p> <p>Automotive Designer: Work on the design of vehicles, considering aesthetics, aerodynamics, and functionality.</p>

	<p>Architectural Designer: Contribute to the design of buildings and structures, considering both artistic and practical aspects.</p> <p>Design Engineer: Combine engineering principles with design concepts to create functional and aesthetically pleasing products.</p> <p>Prototype Engineer: Build and test prototypes of designs, ensuring they meet functional and design requirements.</p> <p>Apprenticeships available: Space Engineering Technician; involved in supporting the development, manufacturing, assembly, integration and testing of complex, high value space hardware and ground-based equipment.</p>
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