POST-16 CAREER PROGRESSION MAP – ENGINEERING

This progression map details the learning opportunities and possible future employment routes within this sector.

POTENTIAL ROLES INCLUDE:
- Apprentice/Trainee Engineering Operative/Technician
- Apprentice Engineering Technician (Aerospace/Aircraft Fitter)
- Engineering manufacturing operative
- Machinist Technician
- Mechatronics Maintenance Technician
- Technical Support Technician
- Mechanical/Electrical Fitter
- Product Design and Development Technician
- Aerospace Engineering Technician, Aircraft Flight Control
- Systems Technician, Aerospace Engineer, Flight Control Systems Engineer, Electrical Engineering Technician/Engineer, Process/Equipment/Fabrication Technician, Automotive Engineering Technician

ELECTIVE OPTIONS
- BTEC Engineering
  - 6m–1 year
- BTEC Tech Award Engineering
  - 2 years
- BTEC Specialist Aerospace & Aviation Engineering
  - 1–2 years
- BTEC Competence based Aerospace & Aviation Engineering
  - 1–2 years
- BTEC Specialist Engineering Operations
  - 1–2 years
- BTEC specialist Manufacturing
  - 1–2 years

On completion of your qualification, you can progress to a higher level qualification or into employment.

QUALIFICATIONS
- Vocational Qualifications
  - BTEC Engineering
    - 6m–1 year
  - BTEC Tech Award Engineering
    - 2 years
  - BTEC Specialist Aerospace & Aviation Engineering
    - 1–2 years
  - BTEC Competence based Aerospace & Aviation Engineering
    - 1–2 years
  - BTEC specialist Engineering Operations
    - 1–2 years
  - BTEC specialist Manufacturing
    - 1–2 years

- BTEC Nationals Engineering
  - 1–2 years
- BTEC Specialist Advanced Manufacturing Engineering
  - 1–2 years
- BTEC Competence based Aerospace & Aviation Engineering
  - 2 years
- BTEC Competence based Manufacturing Operations (L4 only)
  - Rail Engineering (L4 only)
  - Aeronautical Engineering (L4 only)
  - Higher National Automation and Control Engineering (L4 only)
  - Electrical Systems Engineering (L4 only)
  - Electronic Systems Engineering (L4 only)
  - Manufacturing Operations (L4 only)
  - Space Technologies
    - Computer Systems Engineering
    - Electronic and Electrical Systems Engineering
    - Engineering Space Technologies
      - Typically, 1–2 years (Full-time)
      - 2–4 years (Part-time)

Possible Construction related degrees
- BEng/BSc Engineering (Hons)
- BEng/BSc Civil Engineering
- BEng/BSc Manufacturing Engineering
- BEng/BSc Electrical Engineering
- BEng/BSc Robotic Engineering
- BEng/BSc Aerospace/Aeronautical Engineering
- BEng/BSc Automotive Engineering
- BEng/BSc Automation and Control Engineering
- BEng/BSc Computer Engineering
- BEng/BSc Computer Systems Engineering
- BEng/BSc Electrical Engineering
- BEng/BSc Electronic and Electrical Engineering
- BEng/BSc Embedded Electronic Systems
- BEng/BSc (Hons) Manufacturing Engineering