STEM pathways - Science

- Physics
  - Engineering
  - Physical sciences
  - Research
  - Education

- Biology
  - Medical
  - Environmental
  - Zoology
  - Research
  - Education

- Chemistry
  - Biochemistry
  - Medical / Research
  - Manufacturing
  - Environment
  - Forensic
  - Education / Communication

- Science
  - Mechanical
  - Electrical
  - Civil
  - Chemical
  - Materials
  - Aerospace
  - Robotics
  - Nuclear engineer

- Physical sciences
  - Astronomer
  - Meteorologist
  - Geophysicist
  - Land surveyor
  - Air quality scientist
  - Energy consultant

- Research
  - Particle physicist
  - Nanotechnologist
  - Astrophysicist
  - Medical physicist
  - Biomedical imaging

- Education
  - Veterinarian
  - Vet assistant
  - Zoologist
  - Marine biologist
  - Wildlife biologist
  - Fisheries biologist
  - Animal trainer

- Environmental
  - Forensic scientist
  - Microbiologist
  - Pathologist
  - Virologist
  - Embryologist
  - Genetics
  - Epidemiologist
  - Hematology

- Zoology
  - Pharmacologist
  - Biotechnologist
  - Toxicologist
  - Food technologist
  - Research scientist
  - Sports scientist

- Research
  - Chemical engineer
  - Oil & gas engineer
  - Quality assurance chemist
  - Fragrance chemist
  - Nanotechnologist

- Education
  - Environmental chemist
  - Sustainability consultant
  - Forensic scientist

- Communication
  - Teacher
  - Lecturer
  - Technical tutor
  - Science writer
  - Patent attorney
  - Policy researcher
STEM pathways – Maths & Computing

Maths
- Accounts
  - Engineering (see previous page)
  - Business / Finance
  - Information technology
  - Intelligence
  - Construction

Computing
- Hardware
  - Software
  - Networks
  - Data
  - Systems

Actuary
- Chartered accountant
- Tax adviser
- Data analyst
- Investment analyst
- Stockbroker
- Financial adviser
- Insurance underwriter
- Statistician

Programmer
- Compliance officer
- Risk manager
- Economist
- Cyber security officer
- Quantity surveyor
- Structural engineer

Computer hardware engineer
- Programmer
- Software developer
- Applications developer
- Software engineer
- Web designer
- Web developer
- Games designer
- Games developer

Network engineer
- Data analyst
- Cyber security analyst
- IT consultant
- Systems analyst
- IT architect
- Information research scientist

Social media manager
- Web content manager
- IT technical officer
- IT sales person
- Data administrator
- CAD technician
- SEO specialist
STEM pathways – Geography and Geology

Geography
- Civil Engineering
- Oil & gas
- Water
- Environment
- Policy
- Education

Geology
- Cartographer
- Town planner
- Geographical information systems officer
- Conservation officer
- Planning and development surveyor
- Fundraising officer
- Travel writer and broadcaster
- Incident response manager
- Expedition manager
- Transport consultant
- Hydrometry officer
- Geospatial officer
- Air pollution specialist
- Catastrophe risk analyst
- Social development adviser
- Geotechnical engineer
- Geochemist
- Geophysicist
- Hydrogeologist
- Wellsite geologist
- Logging geologist
- Drilling engineer
- Marine geologist
- Environmental consultant
- Environmental engineer
- Sustainability consultant
- Land surveyor
- Museum curator
- Soil mechanics scientist
- Cartographer
- Town planner
- Geographical information systems officer
- Conservation officer
- Planning and development surveyor
- Fundraising officer
- Travel writer and broadcaster
- Incident response manager
- Expedition manager
- Transport consultant
- Hydrometry officer
- Geospatial officer
- Air pollution specialist
- Catastrophe risk analyst
- Social development adviser
- Geotechnical engineer
- Geochemist
- Geophysicist
- Hydrogeologist
- Wellsite geologist
- Logging geologist
- Drilling engineer
- Marine geologist
- Environmental consultant
- Environmental engineer
- Sustainability consultant
- Land surveyor
- Museum curator
- Soil mechanics scientist
STEM pathways – Psychology & DT

Psychology
- Clinical psychologist
- Occupational psychologist
- Counselling psychologist
- Educational psychologist
- Forensic psychologist
- Health psychologist
- Neuro psychologist
- Sport psychologist

Design Technology
- Graphic designer
- CAD technician
- Advertising executive
- Fashion designer
- Footwear designer
- Textiles technologist
- Textiles maker
- Stylist

Psychology
- Medical psychologist
- Consumer psychologist
- Geropsychologist
- Organisational psychologist
- Military psychologist
- Psychotherapist
- Animal psychologist

Career adviser
- Art/music therapist
- HR officer
- SEN teacher
- Speech and Language therapist
- Social worker
- Youth worker
- Teacher/lecturer

Family services worker
- Relationship counsellor
- Psychological wellbeing practitioner
- Occupational therapist
- Rehabilitation counsellor

Probation officer
- Police officer
- Psychiatrist
- Psychiatric aide
- Advertising agent
- Market researcher
- Investigator
- Victims advocate
- Journalist
- Lawyer

Architect
- Interior designer
- Furniture designer
- Exhibition designer
- Stage designer
- Model maker

Mechanic
- Food technologist
- Chef/baker
- Technical brewer
- Production manager
- Dietitian
- Nutritional therapist
- Food writer

Engineer
- Materials engineer
- Electronic engineer
- Robotics engineer
- Gas engineer
- Plumber
- Electrician

Food
- Technical brewer
- Production manager
- Dietitian
- Nutritional therapist
- Food writer
Career pathways – Arts

Arts
- Fine art
- Photography
- Graphics
- 3D art
- Fashion
- Crafts
- Communications

Artists
- Artist
- Illustrator
- Scientific illustrator
- Book designer
- Animator
- Cartoonist
- Photographer
- Photojournalist
- Graphic designer
  (signs, publications, corporate identity)
- Advertising art director
- Website designer
- Design researcher

Interior designers
- Interior designer
- Architect
- Conservation officer
- Landscape architect
- Industrial designer
  (products, packaging, furniture)
- Car designer
- Exhibition designer
- Model maker
- Jewellery designer
- Medical equipment designer

Fashion designers
- Fashion designer
- Costume designer
- Footwear designer
- Textile designer
- Textile maker
- Visual merchandiser
- Personal stylist
- Sculptor
- Toy maker
- Upholsterer
- Potter/ceramicist
- Glassmaker
- Stone mason
- Florist
- Make-up artist

Art historians
- Art historian
- Teacher
- Art reporter/writer
- Art program coordinator
- Arts fundraiser
- Artists’ agent
- Market researcher
- Art salesperson
- Art therapist
- Museum curator
- Museum publications director
- Gallery director
Career pathways – Performing Arts

Performing Arts → Drama → Dance → Music →

- Actor
- Agent
- Artistic director
- Stage manager
- Stage designer
- Wardrobe manager
- Theatrical producer
- Theatre director
- Playwright
- Costume designer
- Comedian
- Lighting director
- Sound director
- Drama therapist

- Contemporary dancer
- Ballet dancer
- Choreographer
- Musical theatre performer
- Circus performer
- Dance teacher
- Dance photographer or videographer
- Physical therapist
- Personal trainer
- Yoga/pilates instructor
- Arts administrator

- Musician (pop, classical, jazz)
- Singer
- Song writer
- Music producer
- Music conductor
- Production manager
- Composer
- Music publisher
- Musical talent scout
- Record label manager
- Voice coach
- DJ
- Sound engineer
- Music therapist
Career pathways – Media

Creative Media

Film/TV/Radio
Digital media
Gaming
Business

Film director
Film/TV producer
Assistant producer
Scriptwriter
Director of photography
Art director
Location manager
Lighting technician
Sound technician
Sound mixer
Camera operator
Specialist camera operator
Video editor
Foley artist
Colourist

Sound designer
Broadcast journalist
Broadcast reporter
Programme researcher
TV presenter
Stagehand
Sales agent
Distributor
Radio presenter
Audio engineer
Radio producer
Social media manager
Web content manager

PR officer
Media planner
Advertising executive
Concept artist
Games designer
Games writer
Visual designer
3D modelling artist
Animator
Visual effects artist
Sound designer
Games programmer
VR programmer
Games tester
Career pathways – Humanities

Humanities

- English
- Languages
- History
- Law
- Government & Politics
- Religious studies
- Philosophy

Writer/author
  - Editor
  - Technical writer
  - Proofreader
  - Digital publisher
  - Social media editor
  - Content writer
  - Broadcast journalist
  - TV presenter
  - TV producer
  - Scriptwriter
  - Journalist
  - Reporter
  - Teacher/lecturer
  - Copywriter
  - Journals production coordinator
  - Librarian
  - Interpreter
  - Translator
  - Literary translator

Historian
  - Curator
  - Arts administrator
  - Archivist
  - Museum researcher
  - Museum education officer
  - Heritage site manager
  - Conservation officer
  - Media researcher
  - Genealogist
  - Solicitor
  - Barrister
  - Legal executive
  - Paralegal
  - (commercial, family, criminal, corporate, environmental, human rights, constitutional, employment etc.)

Notary
  - Legal practitioner
  - Advocate
  - Licensed conveyancer
  - Political research assistant
  - Diplomatic service officer
  - Public affairs consultant
  - Social research officer
  - Charity officer
  - Policy officer
  - Local government officer
  - Political journalist
  - Political advisor
  - Politician
  - Chaplain

HR officer
  - Recruitment officer
  - Administrative assistant
  - Personal assistant
  - Medical secretary
  - Sales manager
  - Retail manager
  - Bank manager
  - Business development manager
  - Fundraiser
  - Marketing executive
  - Advertising executive
  - Media officer
  - PR officer
  - Curriculum developer
  - Insurance claims manager
Career pathways – Social Science

- Sociology
- Criminology
- Community work
  - Community development worker
  - Victims advocate
  - Counsellor
  - Guidance practitioner
  - Welfare officer
  - Equality and diversity officer
  - Activist
- Social work
  - Social worker
  - Policy officer
  - Activist
- Education
  - Primary/secondary school teacher
  - Lecturer/researcher
  - Gerontologist
- Public services
  - Early years teacher
  - Housing officer
  - Youth worker
  - Family support worker
  - Police officer
  - Probation officer
- Government
  - Government research officer
  - Local government officer
  - Charity officer
  - International aid worker
  - Fundraiser
- Charity
  - Forensic computer analyst
- Other
  - Criminologist
  - Investigator
  - Prison officer
  - Forensic science technician
  - Lawyer
  - Security specialist
  - Forensic psychologist
  - Forensic psychologist
Career pathways – Business / Economics

Human resources
Operations / production / sales
Customer service / administration
Finance
Marketing
Research & development
Entrepreneurship

HR adviser
Training and development officer
Recruitment adviser
Production manager
Operations manager
Procurement manager
Logistics manager
Sales executive
Retail manager
Retail buyer
Retail merchandiser
Customer service officer
Administrative officer
Personal assistant

Chartered accountant
Management accountant
Accounts clerk
Business analyst
Mortgage adviser
Insurance broker
Marketing executive
Market research analyst
Advertising executive
Media planner
Brand manager
PR officer
Digital media officer

Communications officer
Social media manager
Business systems analyst
Events officer
Project manager
Management consultant
Risk manager
Business adviser
Business development manager
Entrepreneur

Economist
Financial risk analyst
Data analyst
Financial planner
Accountant
Economic researcher
Financial consultant
Investment analyst
Statistician
Actuary
Stockbroker
Policy officer
Quantity surveyor

Business
Economics