

**Science and Engineering Foundation Progression and Diet 2024**

Programme	Progression requirements	Module diet
<p>BSc Biological Sciences with Foundation. <b>CCX2, USEF-QM4BIO1, USBLS</b></p>	<p>For progression onto Biology, Biochemistry, Medical Genetics or Zoology: - Pass 105 credits including SEF030 Communication in Science and Technology, SEF045 Foundations of Biological Science and SEF040 Mathematics A. - Achieve an overall mean average of 50% across all modules. - Achieve at least 60% in SEF043 Foundations of Biological Science and 50% in SEF040 Mathematics A</p> <p>For progression onto Biomedical Sciences, Psychology, Neuroscience or Pharmacology and Innovative Therapeutics: - Pass 105 credits including SEF030 Communication in Science and Technology, SEF045 Foundations of Biological Science and SEF040 Mathematics A. - Achieve an overall mean average of 60% across all modules. - Achieve at least 60% in SEF043 Foundations of Biological Science and 50% in SEF040 Mathematics A</p>	<p>Year Long Modules SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Compulsory) SEF045 Foundations of Biological Science (Core) SEF046 Foundations of Engineering (Compulsory) SEF040 Mathematics A (Compulsory)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p>
<p>International Science and Engineering Foundation Programme (Biological Sciences), <b>FGH2, UCFE-QMSEFP1, USBLS</b></p>	<p>For progression onto Biology, Biochemistry, Medical Genetics or Zoology: - Pass 105 credits including SEF030 Communication in Science and Technology (if taken), SEF045 Foundations of Biological Science and either SEF040 Mathematics A. - Achieve an overall mean average of 50% across all modules. - Achieve at least 60% in SEF043 Foundations of Biological Science and 50% in SEF040 Mathematics A</p> <p>For progression onto Biomedical Sciences, Psychology, Neuroscience or Pharmacology and Innovative Therapeutics: - Pass 105 credits including SEF030 Communication in Science and Technology (if taken), SEF045 Foundations of Biological Science and either SEF040 Mathematics A. - Achieve an overall mean average of 60% across all modules. - Achieve at least 60% in SEF043 Foundations of Biological Science and 50% in SEF040 Mathematics A</p>	<p>Year Long Modules SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Compulsory) SEF045 Foundations of Biological Science (Core) SEF046 Foundations of Engineering (Compulsory) SEF040 Mathematics A (Compulsory)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p>
<p>BSc Chemical Sciences with Foundation, <b>FFX2, USEF-QM4CHE1, USCHE</b></p>	<p>Progression requirements Chemistry, Pharmaceutical Chemistry: - Pass 105 credits including SEF030 Communication in Science and Technology, SEF043 Foundations of Chemical Science and either SEF040 Mathematics A. - Achieve an overall mean average of 50% across all modules. - Achieve at least 60% in SEF043 Foundations of Chemical Science and 50% in SEF040 Mathematics A</p>	<p>Year Long Modules SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Core) SEF044 Foundations of Physical Sciences (Compulsory) SEF045 Foundations of Biological Science (Compulsory) SEF046 Foundations of Engineering (Compulsory) SEF040 Mathematics A (Compulsory)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p>
<p>International Science and Engineering Foundation Programme (Chemical Sciences), <b>FGH3, UCFE-QMSEFP1, USCHE</b></p>	<p>Progression requirements Chemistry, Pharmaceutical Chemistry: - Pass 105 credits including SEF030 Communication in Science and Technology (if taken), SEF043 Foundations of Chemical Science and SEF040 Mathematics A. - Achieve an overall mean average of 50% across all modules. - Achieve at least 60% in SEF043 Foundations of Chemical Science and 50% in SEF040 Mathematics A</p>	<p>SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Core) SEF044 Foundations of Physical Sciences (Compulsory) SEF045 Foundations of Biological Science (Compulsory) SEF046 Foundations of Engineering (Compulsory) SEF040 Mathematics A (Compulsory)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p>
<p>BSc Physics with Foundation, <b>FFX0, USEF-QM4PHY1, USPHY</b></p>	<p>Progression Requirements Physics, Astrophysics: - Pass 105 credits including SEF030 Communication in Science and Technology, SEF044 Foundations of Physical Science and SEF041 Mathematics B. - Achieve an overall mean average of 50% across all modules. - Achieve at least 60% in SEF044 Foundations of Physical Science and 50% in SEF041 Mathematics B.</p>	<p>Year Long Modules SEF041 Mathematics B (Compulsory) SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Core) SEF046 Foundations of Engineering (Compulsory)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p> <p>Semester 2 SEF047 Further Mathematics (Compulsory)</p>

<p>International Science and Engineering Foundation Programme (Physics) <b>FGH5, UCFF-QMSEFP1, USPHY</b></p>	<p>Progression Requirements Physics, Astrophysics: - Pass 105 credits including SEF030 Communication in Science and Technology (if taken), SEF044 Foundations of Physical Science and SEF041 Mathematics B. - Achieve an overall mean average of 50% across all modules. - Achieve at least 60% in SEF044 Foundations of Physical Science and 50% in SEF041 Mathematics B.</p>	<p>Year Long Modules SEF041 Mathematics B (Compulsory) SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Core) SEF046 Foundations of Engineering (Compulsory)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p> <p>Semester 2 SEF047 Further Mathematics (Compulsory)</p>
<p>BSc Mathematics with Foundation, <b>GGX2, SEF-QM4MTH1, USMAS</b></p>	<p>Progression Requirements Mathematics, Mathematics and Statistics, Actuarial Science, Mathematics with Finance and Accounting: - Pass 105 credits including SEF030 Communication in Science and Technology, SEF047 Further Mathematics and SEF041 Mathematics B. - Achieve an overall mean average of 50% across all modules. - Achieve at least 55% in SEF047 Further Mathematics and 60% in SEF041 Mathematics B.</p>	<p>Year Long Modules SEF041 Mathematics B (Compulsory) SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Compulsory) SEF046 Foundations of Engineering (Compulsory)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p> <p>Semester 2 SEF047 Further Mathematics (Core)</p>
<p>International Science Engineering Foundation Programme (Mathematics), <b>FGH4, UCFF-QMSEFP1, USMAS</b></p>	<p>Progression Requirements Mathematics, Mathematics and Statistics, Actuarial Science, Mathematics with Finance and Accounting: - Pass 105 credits including SEF030 Communication in Science and Technology (if taken), SEF047 Further Mathematics and SEF041 Mathematics B. - Achieve an overall mean average of 50% across all modules. - Achieve at least 55% in SEF047 Further Mathematics and 60% in SEF041 Mathematics B.</p>	<p>Year Long Modules SEF041 Mathematics B (Compulsory) SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Compulsory) SEF046 Foundations of Engineering (Compulsory)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core) Semester 2 SEF047 Further Mathematics (Core)</p>
<p>BEng Engineering with Foundation, <b>HHX3, USEF-QM4ENG1, USENG</b></p>	<p>For progression onto Biomedical, Chemical, Robotics or Sustainable Energy Engineering: - Pass 105 credits including SEF030 Communication in Science and Technology, SEF046 Foundations of Engineering and SEF041 Mathematics B. - Achieve an overall mean average of 50% across all modules. - Achieve at least 50% in SEF046 Foundations of Engineering and 55% in SEF041 Mathematics B.</p> <p>For progression onto Aerospace or Mechanical Engineering: - Pass 105 credits including SEF030 Communication in Science and Technology, SEF046 Foundations of Engineering and SEF041 Mathematics B. - Achieve an overall mean average of 60% across all modules. - Achieve at least 60% in SEF046 Foundations of Engineering and 60% in SEF041 Mathematics B.</p>	<p>Year Long Modules SEF041 Mathematics B (Compulsory) SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Compulsory) SEF046 Foundations of Engineering (Core)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p> <p>Semester 2 SEF047 Further Mathematics (Compulsory)</p>

<p>International Science Engineering Foundation Programme (Engineering), <b>FGH6, UCFF-QMSEFP1, USENG</b></p>	<p>For progression onto Biomedical, Chemical, Robotics or Sustainable Energy Engineering: - Pass 105 credits including SEF030 Communication in Science and Technology (if taken), SEF046 Foundations of Engineering and SEF041 Mathematics B. - Achieve an overall mean average of 50% across all modules. - Achieve at least 50% in SEF046 Foundations of Engineering and 55% in SEF041 Mathematics B.</p> <p>For progression onto Aerospace or Mechanical Engineering: - Pass 105 credits including SEF030 Communication in Science and Technology (if taken), SEF046 Foundations of Engineering and SEF041 Mathematics B. - Achieve an overall mean average of 60% across all modules. - Achieve at least 60% in SEF046 Foundations of Engineering and 60% in SEF041 Mathematics B.</p>	<p>Year Long Modules SEF041 Mathematics B (Compulsory) SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Compulsory) SEF046 Foundations of Engineering (Core)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p> <p>Semester 2 SEF047 Further Mathematics (Compulsory)</p>
<p>BEng Materials Science with Foundation, <b>JJX3, USEF-QM4MTL1, USMTS</b></p>	<p>Progression Requirements: - Pass 105 credits including SEF030 Communication in Science and Technology, SEF046 Foundations of Engineering and SEF041 Mathematics B. - Achieve an overall mean average of 50% across all modules. - Achieve at least 50% in SEF046 Foundations of Engineering and 55% in SEF041 Mathematics B.</p>	<p>Year Long Modules SEF041 Mathematics B (Compulsory) SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Compulsory) SEF046 Foundations of Engineering (Core)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p> <p>Semester 2 SEF047 Further Mathematics (Compulsory)</p>
<p>International Science Engineering Foundation Programme (Materials Science), <b>FGH7, UCFF-QMSEFP1, USMTS</b></p>	<p>Progression Requirements: - Pass 105 credits including SEF030 Communication in Science and Technology (if taken), SEF046 Foundations of Engineering and SEF041 Mathematics B. - Achieve an overall mean average of 50% across all modules. - Achieve at least 50% in SEF046 Foundations of Engineering and 55% in SEF041 Mathematics B.</p>	<p>Year Long Modules SEF041 Mathematics B (Compulsory) SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Compulsory) SEF046 Foundations of Engineering (Core)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core) or</p> <p>Semester 2 SEF047 Further Mathematics (Compulsory)</p>
<p>BEng Electronic Engineering with Foundation, <b>HHX0, USEF-QM4ELE1, USELE</b></p>	<p>Progression Requirements Electronic Engineering, Electrical and Electronic Engineering, Computer Systems Engineering and Robotics Engineering: - Pass 105 credits including SEF030 Communication in Science and Technology, SEF046 Foundations of Engineering and SEF041 Mathematics B. - Achieve an overall mean average of 50% across all modules. - Achieve at least 50% in SEF046 Foundations of Engineering and 55% in SEF041 Mathematics B.</p>	<p>Year Long Modules SEF041 Mathematics B (Compulsory) SEF042 Science and Engineering Success (Compulsory) SEF043 Foundations of Chemical Science (Compulsory) SEF044 Foundations of Physical Sciences (Compulsory) SEF046 Foundations of Engineering (Core)</p> <p>Semester 1 SEF030 Communication in Science &amp; Technology (Core)</p> <p>Semester 2 SEF047 Further Mathematics (Compulsory)</p>

<p>International Science and Engineering Foundation Programme (Electronic Engineering),  <b>FGH9 , UCFF-QMSEFP1 , USELE</b></p>	<p>Progression Requirements:          Electronic Engineering, Electrical and Electronic Engineering, Computer Systems Engineering and Robotics Engineering:          - Pass 105 credits including SEF030 Communication in Science and Technology (if taken), SEF046 Foundations of Engineering and SEF041 Mathematics B.          - Achieve an overall mean average of 50% across all modules.          - Achieve at least 50% in SEF046 Foundations of Engineering and 55% in SEF041 Mathematics B.</p> <p><u>Global Engagement Office Agreement for progression onto Computer Science</u></p> <p>Computer Science, Computer Science and AI, Computer Science and Management:          - Pass 105 credits including SEF030 Communication in Science and Technology and SEF041 Mathematics B.          - Achieve an overall mean average of 65% across all modules.          - Achieve at least 65% in SEF041 Mathematics B.</p> <p>Computer Science and Mathematics:          - Pass 105 credits including SEF030 Communication in Science and Technology and SEF041 Mathematics B.          - Achieve an overall mean average of 65% across all modules.          - Achieve at least 70% in SEF041 Mathematics B.</p>	<p>Year Long Modules          SEF041 Mathematics B (Compulsory)          SEF042 Science and Engineering Success (Compulsory)          SEF043 Foundations of Chemical Science (Compulsory)          SEF044 Foundations of Physical Sciences (Compulsory)          SEF046 Foundations of Engineering (Core)</p> <p>Semester 1          SEF030 Communication in Science &amp; Technology (Core)</p> <p>Semester 2          SEF047 Further Mathematics (Compulsory)</p>
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