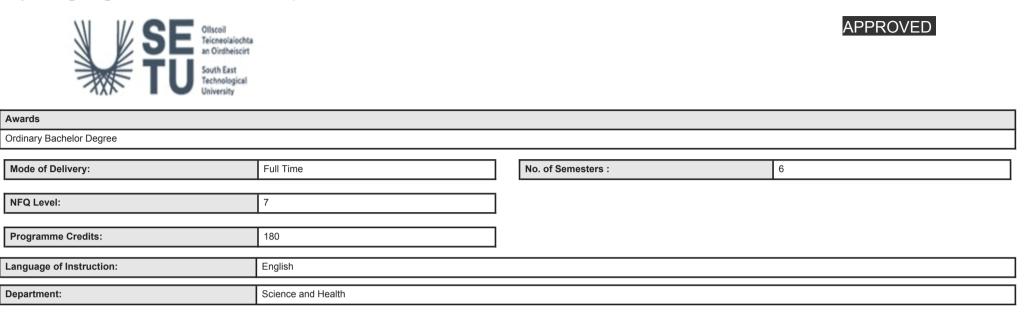
Programme CW_SABFQ_D - Bachelor of Science in Biosciences · 08 May 2024



Semester Schedules

Stage 1 / Semester 1

Elective Regulation

1. Students must achieve a minimum grade (35%) in both the practical/CA and Final Examination in the following modules: Fundamental Biology, Chemistry 1, Physics 1. 2. Students must achieve a minimum grade (35%) in both the practical and CA in the following modules: Quantitative Methods 1

Mandatory	Mandatory	
Module Code	Module Title	
ZBIO C1101	Fundamental Biology	
ZCHE C1101	Chemistry 1	
ZLAB C1101	Laboratory Science	
ZPHY C1101	Physics 1	
ZMTS C1101	Quantitative Methods 1	

Stage 1 / Semester 2

Elective Regulation

1. Students must achieve a minimum grade (35%) in both the practical/CA and Final Examination in the following modules: Chemistry 2, Quantitative Methods 2, Animal and Human Biology. 2. Students must achieve a minimum grade (35%) in both the practical and CA in the following modules: Physics 2 3. Current concepts in Science is an elective. Brewing and Distilling students will do a comparable module (Introduction to Brewing Studies) and Science Students will do Science module(Introduction to Bioscience)

Mandatory		
Module Code	Module Title	
ZCHE C1102	Chemistry 2	
ZPHY C1102	Physics 2	
ZMTS C1102	Quantitative Methods 2	
ZBIO C1102	Animal and Human Biology	
ZSCI C1101	Current Concepts in Science	

Stage 2 / Semester 1

Elective Regulation

1. Students must achieve a minimum grade (35%) in both the practical/CA and Final Examination in the following modules: Instrumentation, Molecular Biology 1, Biochemistry- Biomolecules. 2. Students must achieve a minimum grade (35%) in both the practical and CA in the following modules: Quantitative Methods and Quality Control, Fundamentals of Microbiology 1.

Mandatory	Mandatory	
Module Code	Module Title	
ZINS C2101	Instrumentation	
ZQUA C2101	Quantitative Methods and Quality Control 1	
ZBIO C2101	Fundamentals of Microbiology 1	
ZBIO C2102	Molecular Biology 1	
ZCHE C2101	Biochemistry Biomolecules	

Stage 2 / Semester 2

Elective Regulation

1. Students must achieve a minimum grade (35%) in both the practical/CA and Final Examination in the following modules: Fundamentals of Microbiology 2, Molecular Biology 2, Biochemistry Metabolism. 2. Students must achieve a minimum grade (35%) in both the practical and CA in the following modules: Analytical Techniques Pharmaceutical Science, Quantitative Methods and Quality Control 2. 3. Students may apply to EXIT from the programme with a Higher Certificate in Science in Applied Biology (Embedded Exit Award), provided they have achieved the required learning outcomes for the level 6 award and have accumulated 120 credits. IT Carlow academic regulations apply.

Mandatory	Mandatory	
Module Code	Module Title	
ZPHA C2101	Analytical Techniques Pharmaceutical Science	
ZQUA C2102	Quantitative Methods and Quality Control 2	
ZBIO C2103	Fundamentals of Microbiology 2	
ZBIO C2104	Molecular Biology 2	
ZCHE C2102	Biochemistry Metabolism	

Stage 3 / Semester 1

Elective Regulation

1. Students must achieve a minimum grade (35%) in both the practical/CA and Final Examination in the following modules: Food Microbiology, Quality management, Experimental Design and Data Analysis, Manufacturing 2. Students must achieve a minimum grade (35%) in both the practical and CA in the following modules: Molecular Biology and Immunology 1 3. Students must achieve a minimum grade (35%) in the CA/project and practical in the following modules: Biochemistry 1

Mandatory		
Module Code	Module Title	
ZMAN C3100	Manufacturing	
ZQUA C3103	Quality Management, Experimental Design and Data Analysis	
ZCHE C3100	Food Microbiology	
ZCHE C3101	Biochemistry 1	
ZBIO C3100	Molecular Biology and Immunology 1	
ZPRO C3100	Bioscience Project and Workplace Planning	

Stage 3 / Semester 2

Elective Regulation

Bioscience Project and Workplace Planning is delivered year-long with the credits awarded at the end of Semester 6 1. Students must achieve a minimum grade (35%) in both the practical/CA and Final Examination in the following modules: Microbial Cell Factory, Biochemistry 2 2. Students must achieve a minimum grade (35%) in both the practical and Final Examination in the following modules: Molecular Biology and Immunology. 3. Students must achieve a minimum grade (35%) in both the practical and Final Examination in the following modules: Molecular Biology and Immunology. 3. Students must achieve a minimum grade (35%) in both the practical and Continuous Assessment in the following modules: Spectroscopy for Biosciences

Mandatory		
Module Code	Module Title	
ZBIO C3102	Spectroscopy for Biosciences	
ZBIO C3103	Microbial Cell Factory	
ZCHE C3102	Biochemistry 2	
ZBIO C3104	Molecular Biology and Immunology 2	