<script>dataLayer.push({'course_title':' Microbiology (MBS1)'});</script>

<h1 class="pageTitle"> Microbiology (MBS1) </h1>
<h2> </h2>

<h3></h3>

Curricular information is subject to change

Show/hide content

Vision and Values

The exploitation and control of microorganisms impacts on human and animal health, industry (food, health, pharmaceutical, water, biotechnology), environment and climate. We aim to provide students with a comprehensive knowledge and perspective of microbiology, coupled with valuable transferable skills that will improve their further education and employment opportunities within and beyond the scientific sector. The aim of this programme is to educate and train students in the discipline of microbiology to pursue careers in industry, scientific research, education, and related professions. We aim to develop students to be expert, independent, critical thinkers, with strong practical knowledge. Students will develop a deep understanding of microorganisms, their role in the environment, health, infection, and industrial applications. We provide a scholarly environment combining classical teaching methods with blended learning approaches, within state of the art facilities that enhance independent learning, questioning and investigational skills combined with problem solving skills. The placement of final year undergraduate students in academic and industry laboratories offers students the opportunity to gain first hand experience of real-life professional environments that will prepare them for their career path and/or further education. This educational ethos will allow microbiology graduates to maximize their human resource potential at local, national and international levels to address societal needs. The students' progress is assessed using a variety of methods including classical written exams, assessed essays/case studies, oral presentations, team exercises and written reports.

Subject Description

Programme Outcomes

1 - Demonstrate a deep understanding of the subject and how it might be exploited for the benefit of humankind.

2 - Effectively collect, analyse and present experimental data

3 - Demonstrate an aptitude for life-long, self-directed learning

4 - Work independently and collaboratively

5 - Problem solve and think critically

6 - Understand the modern Microbiological research process including conceptualization, hypothesis, design, planning, execution, data analysis and dissemination.

7 - Appreciate the entrepreneurial spirit, process and roadmap for applied research.

8 - Exhibit a professional attitude and a range of transferable skills that can be applied to areas beyond microbiology.

9 - Demonstrate proficiency in a range of practical microbiological techniques.

10 - Be able to communicate microbiological concepts to other scientists and the broader community

Non-standard Progression Requirements

Additional Standards for Continuation

Approved Additional Standards for Continuation in undergraduate degree programmes in Science (all majors):

Students who return failing grades in a semester amounting to 15 credits, or more, will be identified under the UCD Continuation and Readmission Policy. Students whose rate of progression and performance over two academic sessions (2 years) is deemed unacceptable will be referred to the Academic Council Committee on Student Conduct and Capacity for exclusion from the programme.

Understanding your Degree

Mapping your Degree

International Study Opportunities

Career Opportunities

Further Information & Contact Details

Major Information by Stage

Stage 3
Students take eight core modules and two optional modules. Students may take additional option modules to complete Stage 3 or alternatively, take 10 credits from elective modules.

Stage 4
Students take a total of 60 credits

View All Modules

Module ID	Module Title	Trimester	Credits
Stage 3 Core Modules			
		Autumn	5
		Autumn	5
		Autumn	5
		Autumn	5
		Spring	5
		Spring	5
		Spring	5
		Spring	5
Stage 3 Options - A)MIN2OF: Students should select 2 modules from this list.			
		Autumn	5
		Autumn	5
		Autumn	5
		Autumn	5
		Autumn	5
		Autumn	5
		Autumn	5
		Spring	5
		Spring	5
		Spring	5
		Spring	5
		Spring	5
Stage 4 Core Modules			
		Spring	5
		Spring	5
		Spring	5
		Spring	5
		Spring	5
		Spring	5
Stage 4 Options - A)MIN1OF: Students select one module from Set A.			

View All Modules (continued)

Module ID	Module Title	Trimester	Credits
		2 Trimester duration (Aut-Spr)	25
		2 Trimester duration (Aut-Spr)	25
		2 Trimester duration (Aut-Spr)	20
Stage 4 Options - B)MIN1OF: Set B			
		Autumn	5
		Autumn	5
		Autumn	5

Degree GPA and Award Calculation Rules

See the UCD Assessment for further details<hr>
Module Weighting Info <a data-toggle="modal" data-target="#hubModal" href="W_HU_REPORTING.P_DISPLAY_QUERY?p_query=CB-MODAL&p_parameters=1CF76AE4799C0C1ACB48799F5B73AA94484FFA4F6A59FCEB181A42D1D08C0A083B9BF65B49B68191B5159AE657759287B4BA627BEF6BC8EA82C5CE63960F70B55AF2F89374F1097EBA092725A266F77324E0BD7E65C84FC91D71A0DCBB060E996596EBD7BD4AA298F3ED50C9BBBC9EAB0F1C6A482CAA9D2F54E925B93A2D0E12DC8D69550E76ABBAF8BFDB311CDFD65C7C3A80A24AB1AFA9B3FEFF2D8A0F835365F0D45CBF65B8E4214059A986CF70761A5CDE403637CB4A0D7B1D26068246FE1C37568C46FCFF69E526A42E5C026EAB5D0E25D33CA8A540A6D135C64BB6FC83"><i class="fa fa-info-circle las la-info-circle" style="font-size:20px;color:#007eb5">

		Award		GPA	
Programme	**Module Weightings**	**Rule Description**	**Description**	**>=**	**<=**
BHSCI001	Stage 4 - 70.00% Stage 3 - 30.00%	Standard Honours Award	First Class Honours	3.68	4.20
			Second Class Honours, Grade 1	3.08	3.67
			Second Class Honours, Grade 2	2.48	3.07
			Pass	2.00	2.47

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<dl>
<dt>School:</dt>
<dd>Biomolecular & Biomed Science</dd>
<dt>Attendance:</dt>
<dd>Full Time</dd>
<dt>Level:</dt>
<dd>Undergraduate</dd>
<dt>NFQ Level:</dt>
<dd>8</dd>
<dt>Programme Credits:</dt>
<dd>Stage 1
Core/Option: 55
Electives: 5
Stage 2
Core/Option: 50

Electives: 10
Stage 3
Core/Option: 50
Electives: 10
Stage 4
Core/Option: 60
Electives: 0
</dd>
<dt>Major/Minor Core & Option Credits:</dt>
<dd>Stage 3: 50
Stage 4: 60
</dd>
<dt>Mode of Delivery:</dt>
<dd>Face-to-Face</dd>
<dt>Programme Director:</dt>
<dd>Assoc Professor Tadhg Ó'Cróinín</dd>
</dl>
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