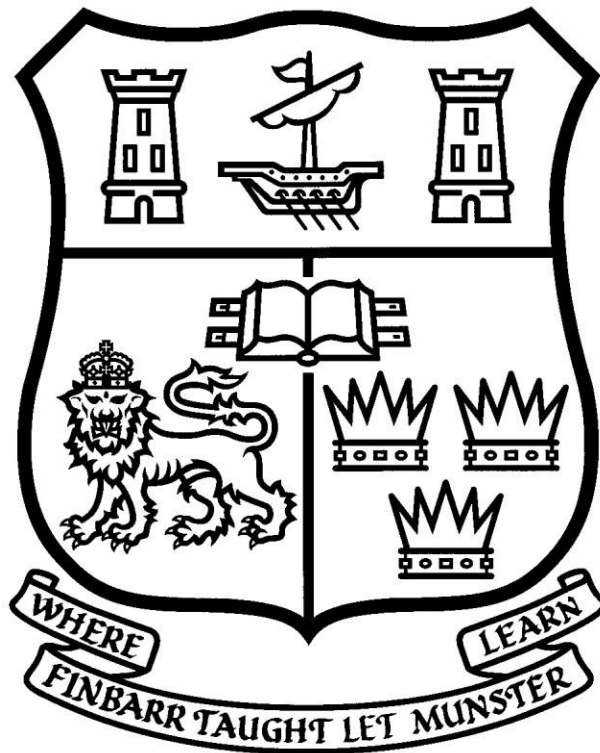


Marks & Standards 2020-2021

UNIVERSITY COLLEGE, CORK



**Marks and Standards Examinations
2020-2021**

Engineering and Architecture

Updated June 2021

Table of contents

GENERAL REGULATIONS GOVERNING EXAMINATIONS FOR ALL UNDERGRADUATE PROGRAMMES.....	5
UNDERGRADUATE PROGRAMMES.....	7
BE(Hons) DEGREE	7
FIRST UNIVERSITY EXAMINATION IN ENGINEERING	7
SECOND UNIVERSITY EXAMINATION IN CIVIL, STRUCTURAL AND ENVIRONMENTAL ENGINEERING	9
THIRD UNIVERSITY EXAMINATION IN EXAMINATION CIVIL, STRUCTUAL AND ENVIRONMENTAL ENGINEERING	11
BE (Hons) DEGREE EXAMINATION (CIVIL, STRUCTUAL AND ENVIRONMENTAL ENGINEERING).....	13
BE (Hons) / ME PATHWAY (CIVIL, STRUCTURAL AND ENVIRONMENTAL)	15
FOURTH YEAR UNIVERSITY EXAMINATION IN CIVIL, STRUCTUAL AND ENVIRONMENTAL ENGINEERING - ME PATHWAY	15
FIFTH YEAR ME UNIVERSITY EXAMINATION IN CIVIL, STRUCTUAL AND ENVIRONMENTAL ENGINEERING (from 2020/21)	17
SECOND UNIVERSITY EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING	20
THIRD UNIVERSITY EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING	22
BE(Hons) IN ELECTRICAL AND ELECTRONIC ENGINEERING 2020/21 ONLY	24
BE (Hons) DEGREE EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING.....	24
BE(Hons) IN ELECTRICAL AND ELECTRONIC ENGINEERING FROM 2021/22	27
BE (Hons) DEGREE EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING.....	27
BE (Hons) / ME PATHWAY (ELECTRICAL AND ELECTRONIC) 2020/2021 ONLY	29
FOURTH UNIVERSITY EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING BE (Hons) / ME PATHWAY (ELECTRICAL AND ELECTRONIC).....	29
BE (Hons) / ME PATHWAY (ELECTRICAL AND ELECTRONIC) FROM 2021/22	32
FOURTH UNIVERSITY EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING BE(Hons) / ME PATHWAY (ELECTRICAL AND ELECTRONIC).....	32
ME IN ELECTRICAL AND ELECTRONIC ENGINEERING (2019/20 AND 2020/21 ONLY).....	35
ME DEGREE EXAMINATION (FIFTH YEAR) IN ELECTRICAL AND ELECTRONIC ENGINEERING	35
SECOND UNIVERSITY EXAMINATION IN ENERGY ENGINEERING	38
THIRD UNIVERSITY EXAMINATION IN ENERGY ENGINEERING FROM 2020/21	39
BE (Hons) DEGREE EXAMINATION (ENERGY ENGINEERING) FOR 2019/20 AND 2020/21	42
BE (Hons) DEGREE EXAMINATION (ENERGY ENGINEERING) (from 2021/22)	44

BE (Hons) / ME PATHWAY (ENERGY) (FOR 2019/20 AND 2020/21)	46
FOURTH UNIVERSITY EXAMINATION IN ENERGY ENGINEERING BE (Hons) / ME (ENERGY) PATHWAY	46
BE (Hons) / ME PATHWAY (ENERGY) (FROM 2021/22).....	48
FOURTH UNIVERSITY EXAMINATION IN ENERGY ENGINEERING BE (Hons) / PATHWAY ME (ENERGY)	48
ME IN ENERGY ENGINEERING (FROM 2020/21).....	51
ME DEGREE EXAMINATION (FIFTH YEAR) IN ENERGY ENGINEERING	51
SECOND UNIVERSITY EXAMINATION IN PROCESS & CHEMICAL ENGINEERING	55
THIRD UNIVERSITY EXAMINATION IN PROCESS & CHEMICAL ENGINEERING	56
BE (Hons) DEGREE EXAMINATION (PROCESS & CHEMICAL ENGINEERING).....	59
BE (Hons) / ME Pathway (Process and Chemical)	61
FOURTH UNIVERSITY EXAMINATION IN PROCESS AND CHEMICAL ENGINEERING BE (Hons) / ME Pathway (Process and Chemical).....	61
ME in Process and Chemical Engineering (from 2020/21)	63
ME DEGREE EXAMINATION (Fifth Year) IN PROCESS AND CHEMICAL ENGINEERING	63
DIPLOMA PROGRAMMES	67
DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING STUDIES (2019/2020 only)	67
HIGHER DIPLOMA PROGRAMMES.....	69
HIGHER DIPLOMA EXAMINATION IN SUSTAINABILITY IN ENTERPRISE	69
POSTGRADUATE PROGRAMMES: MASTERS' DEGREES	71
MEngSc DEGREE EXAMINATION IN MECHANICAL ENGINEERING (MANUFACTURING, PROCESS AND AUTOMATION SYSTEMS).....	71
MEngSc DEGREE EXAMINATION IN MECHANICAL ENGINEERING (MANUFACTURING, PROCESS AND AUTOMATION SYSTEMS).....	72
MEngSc DEGREE EXAMINATION IN ELECTRICAL & ELECTRONIC ENGINEERING	73
MEngSc DEGREE EXAMINATION IN SUSTAINABLE ENERGY	75
MEngSc DEGREE EXAMINATION IN INFORMATION TECHNOLOGY IN ARCHITECTURE, ENGINEERING AND CONSTRUCTION.	77
MEngSc DEGREE EXAMINATION IN PHARMACEUTICAL AND BIOPHARMACEUTICAL ENGINEERING.....	79
MSc in TECHNOLOGY MANAGEMENT DEGREE (Distance Learning)	81
POSTGRADUATE DIPLOMAS	83
POSTGRADUATE DIPLOMA EXAMINATION IN PHARMACEUTICAL & BIOPHARMACEUTICAL ENGINEERING	83

CIT/UCC JOINT MARKS & STANDARDS	84
APPENDIX 1: Programmes to which these Marks and Standards Apply	90
APPENDIX 2: REGULATIONS FOR UNDERGRADUATE PROGRAMMES	90
BSC (HONS) in ARCHITECTURE	90
FIRST YEAR EXAMINATION	90
SECOND YEAR EXAMINATION	93
THIRD YEAR EXAMINATION	95
BSC (HONS) DEGREE EXAMINATION	97
POSTGRADUATE CERTIFICATE IN ARCHITECTURAL PROFESSIONAL PRACTICE AND EXPERIENCE	99
MASTER OF ARCHITECTURE	101
RESEARCH DEGREES	103
PHD (ENGINEERING SCIENCE) STREAM1	103
PHD ENGINEERING SCIENCE STREAM 2	104

Engineering & Architecture Marks & Standards 2020-21

GENERAL REGULATIONS GOVERNING EXAMINATIONS FOR ALL UNDERGRADUATE PROGRAMMES

General Regulations Governing Examinations

Written Examinations will be held at the end of each Semester. **Semester 1** Written Examinations will take place in December (W inter); **Semester 2** Written Examinations will take place in April/May (Summer). Written Examinations for programmes with placement will normally take place in March/April (Spring). Written Examinations for **Semester 3** will take place in August (Autumn).

Publication of Results: Provisional module marks and results for Semester 1 will be released to students in February subject to approval of the External Examiner(s), the Examination Board and Academic Board. Programme results for Semesters 1 and 2, once approved by the Spring/Summer Examination Boards, will be released provisionally to students and are subject to Academic Board approval in June. Provisional results for Semester 3, once approved by the W inter Examination Boards, will be released provisionally to students and are subject to Academic Board approval in December.

Awarding of Credits: Where a student passes the year according to the Pass and Progression Rules he/she shall be awarded credits (e.g. 60 credits in the case of an undergraduate degree programme).

Absence from an Examination in a Module:

Registration at the beginning of an academic year constitutes entry for Examinations.

A student who is prevented for medical reasons or other personal circumstances from attending all or part of the Examination, and who has not withdrawn from the programme, should submit to the Deputy President & Registrar a full report (including a medical certificate) or a full report setting out the other personal circumstances as soon as possible and not more than three days following his/her last Examination, for consideration by the Board of Examiners. Students who are pregnant may defer the entire examination to the Autumn.

Where a student fails to present for an End of Semester Examination in a module, a judgement of "Absent" is recorded for that module. "Absent" is counted as an attempt at an examination. Where a module is examined by a combination of Continuous Assessment and End of Semester Written Examination, and the student does not present for the End of Semester Examination, an "Absent" judgement is recorded. The mark recorded for the module is then based on the mark for Continuous Assessment and a zero mark for the written component, using the rules for obtaining the overall module mark which pertain to the module in question. Where a module is assessed wholly by Continuous Assessment, and the student presents no work, a "Presented No Work" judgement is recorded.

Supplemental Examinations: Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Supplemental Examinations for Semester 3 will be held in December (W inter). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Supplemental Examination for individual modules. Note: for some modules there is no Supplemental Examination.

A student who fails his/her End of Semester Examination(s), or who fails to present, will be automatically entered for the Autumn Supplemental Examination, unless debarred by the Examination Board. A student who is not so debarred must inform the Student Records and Examinations Office, in writing, before the end of July if he/she does not intend sitting the Supplemental Examination. Where a student fails to inform the Student Records and Examinations Office of his/her intention not to sit the Supplemental Examination, a judgement of "Absent" is recorded for module(s). "Absent" is counted as an attempt at an examination.

Repeat Year Arrangements: Students repeating the year will repeat under the current regulations (i.e. the regulations outlined in this Marks and Standards 2020 Book).

Application for Waiver of Capping of Marks: The requirement for the **capping of marks** awarded for a module at a Supplemental Examination or, where applicable, Repeat Year Examination may be waived under certain specified circumstances (see 'Guide to Examinations' for details at:

<http://www.ucc.ie/en/exams/procedures-regulations/>)

The procedures include the following specific regulations:

- Guide to Examinations for Students
- Guide to Examinations for Staff
- Examination Regulations
- Procedure in Examination Halls
- Appeal Regulations and Application Form
- Re-check Regulations and Application Form
- Mitigation Regulations and Application Form
- UCC Plagiarism Policy
- Deferral of Written Examinations: Pregnant Students

UNDERGRADUATE PROGRAMMES

BE(Hons) DEGREE	
FIRST UNIVERSITY EXAMINATION IN ENGINEERING	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/academic/calendar/engineering/eng011.html
Marks Maxima:	100 per five credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To pass First Year and progress to Second Year of one of the BE programmes, a candidate must: <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass modules to the value of at least 50 credits (iii) obtain a mark of not less than 30% in any remaining module(s)
Honours:	A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows: <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 840/1200 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks) • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks)
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Supplemental Examinations:	Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules: (www.ucc.ie/academic/modules/) for requirements governing the Autumn

	<p>Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
<p>Repeat Year Examinations:</p>	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
<p>Three Year Rule:</p>	<p>A student must pass within 3 academic years of the date of first registration for First Year; otherwise he/she cannot continue in the programme.</p>

SECOND UNIVERSITY EXAMINATION IN CIVIL, STRUCTURAL AND ENVIRONMENTAL ENGINEERING

Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/academic/calendar/engineering/eng002.html
Marks Maxima:	100 per five credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules. (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To pass Second Year and progress to Third Year, a candidate must: <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass modules to the value of at least 50 credits (iii) obtain a mark of not less than 30% in any remaining module(s)
Honours:	A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows: <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 840/1200 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Supplemental Examinations:	Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules. Note: For some modules there is no Autumn Supplemental Examination. A candidate, who fails to achieve the pass standard for the year at the

	<p>Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
<p>Repeat Year Examinations:</p>	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(i) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year</p> <p>(ii) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
<p>Three Year Rule:</p>	<p>A student must pass within 3 academic years of the date of first registration for Second Year; otherwise he/she cannot continue in the programme.</p>

THIRD UNIVERSITY EXAMINATION IN EXAMINATION CIVIL, STRUCTURAL AND ENVIRONMENTAL ENGINEERING	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/academic/calendar/engineering/eng002.html
Marks Maxima:	100 per five credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard BE (Hons):	<p>To pass Third Year and progress to Fourth Year BE (Hons), a candidate must: obtain an overall aggregate pass of 480/1200 marks (40%) across all modules pass modules to the value of at least 50 credits obtain a mark of not less than 30% in any remaining module(s).</p> <p><u>Year Abroad</u></p> <p>In the case of a student completing Third year on the basis of a full year of study abroad, the student must:</p> <ol style="list-style-type: none"> 1. have achieved a minimum of 2H1 in their Second University Examination, and 2. be deemed to have passed their Year Abroad Examination, which will be assessed by the School of Engineering in consultation with the International Office, <p>to be eligible to register for Fourth Year of the BE (Hons) / ME Pathway (Civil, Structural and Environmental Engineering).</p>
Entry to ME Pathway Civil, Structural and Environmental	To pass Third Year and progress to Fourth Year BE (Hons) / ME Pathway (Civil, Structural and Environmental), a candidate must obtain a minimum of a 2H2 grade.
Honours:	<p>A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class:</u> At least 70% (i.e. at least 840/1200 marks)

	<ul style="list-style-type: none"> • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks) • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Carrying Forward of Marks Towards Final BE (Hons) Degree Award	<p>For a student continuing to Fourth Year of the BE (Hons) in Civil, Structural and Environmental:</p> <p>40% of the aggregate marks (maximum 480 marks) in the Third University Examination, once passed, are added to the aggregate marks obtained at the BE (Hons) Degree Examination (maximum 1200 marks) for the purpose of determining the final Degree result (maximum 1680 marks).</p> <p>Year Abroad</p> <p>In the case of a student who has passed the Third University Examination in Civil, Structural and Environmental Engineering on the basis of a full year of study abroad, 40% of the aggregate mark obtained at the BE (Hons) Degree Examination (maximum 480 marks) shall be added to the final mark obtained at the BE (Hons) Degree Examination (maximum 1200 marks) to provide the final BE (Hons) (Civil, Structural and Environmental Engineering) Degree result (maximum 1680 marks)</p> <p>For students registering on the BE (Hons) / ME Pathway (Civil, Structural and Environmental) there is no carry forward of the third year mark towards the Final ME Degree Award.</p>
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Spring Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p>

	<p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Spring Examination board of a Repeat Year</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Third Year; otherwise he/she cannot continue in the programme.

BE (Hons) DEGREE EXAMINATION (CIVIL, STRUCTURAL AND ENVIRONMENTAL ENGINEERING)	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/academic/calendar/engineering/eng002.html
Marks Maxima:	100 per five credit module; 200 per ten credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To pass the BE (Hons) (Civil, Structural and Environmental) Degree Examination, a candidate must: <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass CE4002 and other modules to the value of at least 50 credits, (iii) and obtain a mark of not less than 30% in remaining modules.
Carrying Forward of Marks Towards Final Degree Award	40% of the aggregate marks (maximum 480 marks) in the Third University Examination, once passed, are added to the aggregate marks obtained at the BE (Hons) Degree Examination (maximum 1200 marks) for the purpose of determining the final Degree result (maximum 1680 marks).
	Year Abroad

	In the case of a student, who has passed the Third University Examination in Civil, Structural and Environmental Engineering on the basis of a full year of study abroad, 40% of the aggregate mark obtained at the BE (Hons) Degree Examination shall be used in place of 40% of the aggregate mark obtained at the Third University Examination.
Honours:	<p>A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 1176/1680 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 1008/1680 marks but less than 1176/1680 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 840/1680 marks but less than 1008/1680 marks).
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in Autumn. Please refer to the Book of Modules (www.ucc.ie/academic/modules/ for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>Note: Final Year students wishing to repeat the year with a view to improving their degree result may do so only if they have not been conferred.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year</p>

	<p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Fourth Year; otherwise he/she cannot continue in the programme.

BE (Hons) / ME PATHWAY (CIVIL, STRUCTURAL AND ENVIRONMENTAL)	
FOURTH YEAR UNIVERSITY EXAMINATION IN CIVIL, STRUCTURAL AND ENVIRONMENTAL ENGINEERING - ME PATHWAY	
Time:	<p>Part A: Marks for all modules in Part A, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.</p> <p>Part B; Marks for the Placement Module (CE6008) will be presented to the Autumn Examination Board. There will no supplemental examination for this module.</p>
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/academic/calendar/engineering/eng002.html
Marks Maxima:	<p>Part A: 100 per five credit module; 200 per ten credit module. Total Marks: 600.</p> <p>Part B: CE6008 (ME Work Placement), 600 marks per 30 credit module.</p>
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).

<p>Pass and Progression Standard (programme level):</p>	<p>To pass Fourth Year and progress to Fifth Year, a candidate must:</p> <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 240/600 marks (40%) for the modules comprising part A. (ii) pass modules to the value of at least 25 credits in Part A (iii) obtain a mark of not less than 30% in the remaining module from Part A (iv) pass the module comprising Part B (CE6008)
<p>Carrying Forward of Marks Towards Final Degree Award</p>	<p>The total mark, used to determine grade of honours is aggregated as follows:</p> <ul style="list-style-type: none"> (i) 1200 marks for ME examination, (ii) 600 marks comprising the aggregate of the 4th year ME Pathway Part A. (iii) 200 marks comprising 200/600 of the marks awarded for CE6008 (4th year ME Pathway Part B) <p>giving an aggregate total of 2000 marks.</p>
<p>Honours:</p>	<p>Honours for Fourth Year BE (Hons)/ME Pathway (Civil, Structural and Environmental) are awarded at the Autumn Examination Board provided that the student has met the pass and progression standard. Honours are calculated on the basis of actual marks achieved in Part A at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of this determination.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 420/600 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 360/600 marks but less than 420/600 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 300/600 marks but less than 360/600 marks).
<p>Exit award:</p>	<p>There is no exit award at the end of Fourth Year. A student may elect to change registration to Fourth Year of the BE (Hons) programme provided formal notification is received by the Student Examinations and Records Office (sreo@ucc.ie) by the end of Week 8 of Semester 1 of Fourth Year.</p>
<p>Exemptions:</p>	<p>Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.</p>
<p>Supplemental Examinations:</p>	<p>Supplemental Examinations for Part A modules will be held in Autumn. Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so</p>

	<p>and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p> <p>There is no supplemental examination for the Part B module (CE6008)</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>Note: Final Year students wishing to repeat the year with a view to improving their degree result may do so only if they have not been conferred.</p> <p>A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year</p> <p>A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
Three Year Rule:	<p>A student must pass within 3 academic years of the date of first registration for Fourth Year; otherwise he/she cannot continue in the programme.</p>

FIFTH YEAR ME UNIVERSITY EXAMINATION IN CIVIL, STRUCTURAL AND ENVIRONMENTAL ENGINEERING (from 2020/21)	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/academic/calendar/engineering/eng002.html
Marks Maxima:	100 per five credit module; 200 per ten credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules

	(www.ucc.ie/academic/modules/) .
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/) .
Pass and Progression Standard (programme level):	To pass Fifth Year, a candidate must: <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass CE6009 (ME Dissertation); (iii) pass CE6010 (ME Integrated Design Project); (iv) pass modules to the value of at least 50 credits; (v) obtain a mark of not less than 30% in any remaining module(s). (vi) obtain an overall aggregate of 1000/2000 across a combination of all fifth year modules, Part A 4th year ME Pathway modules and the Part B ME Pathway module weighted from 600 to 200 marks. (see Carrying Forward of Marks towards Final degree award below)
Carrying Forward of Marks Towards Final Degree Award	The total mark, used to determine grade of honours is aggregated as follows: <ul style="list-style-type: none"> (i) 1200 marks for ME examination and; (ii) 600 marks comprising the aggregate of the 4th year ME Pathway Part A. (iii) 200 marks comprising 200/600 of the marks awarded for CE6008 (4th year ME Pathway Part B) <p style="text-align: center;">giving an aggregate total of 2000 marks.</p> <p>In the case of a student failing to meet the standard required for the award of ME, but who meets the standard for BE (Hons) the carrying forward of marks is as described in "Exit Awards" below.</p>
Exit Award	A student failing to meet the standard for the award of the ME in Civil Structural & Environmental Engineering will be eligible for the award of BE(Hons) in Civil Structural & Environmental Engineering.
Honours:	A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 1400/2000 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 1200/2000 marks but less than 1400/2000 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 1000/2000 marks but less than 1200/2000 marks). <p>Exit BE(Hons)</p>

	<p>A candidate failing to achieve the standard for the award of ME but meets the standard for the award of BE(Hons) Award standard is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 1176/1680 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 1008/1680 marks but less than 1176/1680 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 840/1680 marks but less than 1008/1680 marks). <p>To be eligible for the award of the BE(Hons) a candidate must.</p> <ol style="list-style-type: none"> 1. obtain a mark of at least 40% in both CE6009 (20 credits) and CE6010 (10 credits) 2. pass additional modules to the value of at least 15 credits. <p>The classification of honours will be calculated out of 1680 marks as follows:</p> <ul style="list-style-type: none"> • One half of the marks for CE6009 (maximum 200 marks) • One half of the marks for CE6010 (maximum 100 marks) • The aggregate marks for the best three 5 credit modules (excluding CE6009 and CE6010) taken in the Fifth Year Examination (maximum 300 marks) • the aggregate marks for Part A of the Fourth (ME) Examination, once passed (maximum 600 marks) • 40% of the marks for the Third University Examination in Civil, Structural and Environmental Engineering, once passed (maximum 480 marks). <p>This give a maximum of 1680 marks for the calculation of the final BE(Hons) result.</p>
<p>Exemptions:</p>	<p>Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.</p>
<p>Supplemental Examinations:</p>	<p>Supplemental Examinations for Semesters 1 and 2 will be held in Autumn. Please refer to the Book of Modules (www.ucc.ie/academic/modules/ for requirements governing the Autumn Supplemental Examination for individual modules. Note:</p> <p>For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
<p>Repeat Year</p>	<p>Unless debarred from so doing under the three year rule, a student is permitted</p>

<p>Examinations:</p>	<p>to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>Note: Final Year students wishing to repeat the year with a view to improving their degree result may do so only if they have not been conferred.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
<p>Three Year Rule:</p>	<p>A student must pass within 3 academic years of the date of first registration for Fifth Year; otherwise he/she cannot continue in the programme.</p>

<p style="text-align: center;">SECOND UNIVERSITY EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING</p>	
<p>Time:</p>	<p>Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.</p>
<p>Modules:</p>	<p>Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng006.html</p>
<p>Marks Maxima:</p>	<p>100 per five credit module. Total Marks: 1200.</p>
<p>Distribution of Marks:</p>	<p>Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).</p>
<p>Pass Standard (module level):</p>	<p>The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).</p>
<p>Pass and Progression Standard</p>	<p>To pass Second Year and progress to Third Year, a candidate must:</p> <p>(i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules</p>

(programme level):	<p>(ii) pass modules to the value of at least 50 credits</p> <p>(iii) obtain a mark of not less than 30% in any remaining module(s)</p>
Honours:	<p>A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • First Class: At least 70% (i.e. at least 840/1200 marks) • Second Class, Grade I: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks). • Second Class, Grade II: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	<p>Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.</p>
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, choosing whichever mechanism best suits him/her.</p> <p>(i) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year</p> <p>(ii) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>

Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Second Year; otherwise he/she cannot continue in the programme.
-------------------------	---

THIRD UNIVERSITY EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng006.html
Marks Maxima:	100 per five credit module. Total Marks: 1200
Distribution of Marks:	Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard BE (Hons)	<p>To pass Third Year and progress to Fourth Year of the BE(Hons) in Electrical and Electronic Engineering, a candidate must:</p> <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass modules to the value of at least 50 credits (iii) obtain a mark of not less than 30% in any remaining module(s). <p>Year Abroad</p> <p>To pass Third Year and progress to Fourth Year of the BE(Hons) a candidate who completed third year on the basis of a full year of study abroad must be deemed to pass their year abroad examination by the School of Engineering, in consultation with the International Office.</p>
Entry to ME (Electrical and Electronic Engineering)	<p>To pass Third Year and be eligible to register for the BE (Hons) / ME Pathway (Electrical and Electronic) a candidate must obtain a minimum of a 2H2 grade.</p> <p>Year Abroad</p> <p>In the case of a student completing Third year on the basis of a full year of study abroad, the student must:</p> <ol style="list-style-type: none"> 1. have achieved a minimum of 2H1 in their Second University Examination, and

	<p>2. be deemed to have passed their Year Abroad Examination, which will be assessed by the School of Engineering in consultation with the International Office,</p> <p>to be eligible to register for Fourth Year of the BE (Hons) / ME Pathway (Electrical and Electronic).</p>
Honours BE (Hons):	<p>A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • First Class: At least 70% (i.e. at least 840/1200 marks) • Second Class, Grade I: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks). • Second Class, Grade II: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	<p>Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.</p>
Carrying Forward of Marks Towards Final BE (Hons) Degree Award	<p>For a student continuing to Fourth Year of the BE(Hons) in Electrical and Electronic Engineering:</p> <p>40% of the marks for the Third University Examination in Electrical and Electronic Engineering, once passed (maximum 480 marks), shall be added to the marks obtained at the BE (Hons) Degree Examination (maximum 1200 marks) to provide the Final BE (Hons) Electrical & Electronic Engineering Degree result (maximum 1680 marks).</p> <p>Year Abroad</p> <p>In the case of a student, who has passed the Third University Examination in Electrical & Electronic Engineering on the basis of a full year of study abroad, 40% of the aggregate mark in the BE (Hons) Degree Examination (maximum 480 marks), are added to the final mark obtained in the BE (Hons) Degree Examination (maximum 1200 marks) to provide the final BE (Hons) (Electrical and Electronic) Degree Examination (maximum 1680 marks).</p> <p>For students registering on the BE (Hons) / ME Pathway (Electrical and Electronic) there is no carry forward of the third year mark towards the Final ME Degree Award.</p>
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Summer Examination Board, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p>

	Capping of Marks at a Supplemental Examination: In the calculation of pass, progression and honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year.</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s)</p>
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Third Year; otherwise he/she cannot continue in the programme.

BE(Hons) IN ELECTRICAL AND ELECTRONIC ENGINEERING 2020/21 ONLY

BE (Hons) DEGREE EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING

Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	<p>Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng006.html.</p> <p>The mark for EE3021 (5 credits) is finalised at a Fourth Year Examination Board.</p>
Marks Maxima:	100 per five credit module, 200 per ten credit module, Total Marks: 1200
Distribution of Marks:	Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of

	Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	<p>To pass Fourth Year of the BE(Hons) in Electrical and Electronic Engineering, a candidate must:</p> <ul style="list-style-type: none"> obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass EE4050 and other 4th year modules to the value of at least 50 credits (iii) obtain a mark of not less than 30% in any remaining module(s). <p>To be eligible for the Award of the Degree, a candidate must pass the BE (Hons) Degree Examination and obtain a pass in the Work Placement module (EE3021).</p> <p>Third Year Abroad</p> <p>In the case of a student, who has passed the Third University Examination in Electrical & Electronic Engineering on the basis of a full year of study abroad the requirement to pass EE3021 does not apply.</p>
Honours:	<p>A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • First Class: At least 70% (i.e. at least 1176/1680 marks) • Second Class, Grade I: At least 60% but less than 70% (i.e. at least 1008/1680 marks but less than 1176/1680 marks). • Second Class, Grade II: At least 50% but less than 60% (i.e. at least 840/1680 marks but less than 1008/1680 marks).
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Carrying Forward of Marks Towards Final Degree Award	<p>Forty percent of the marks for the Third University Examination in Electrical and Electronic Engineering, once passed (maximum 440 marks), shall be added to the marks obtained at the BE (Hons) Degree Examination (maximum 1200 marks) and to 40% of the mark for the placement module EE3021, once passed (maximum 40 marks), to provide the Final BE (Hons) (Electrical & Electronic Engineering) Degree result (maximum 1680 marks).</p> <p>Year Abroad</p> <p>In the case of a student, who has passed the Third University Examination in Electrical & Electronic Engineering on the basis of a full year of study abroad, 40% of the aggregate mark in the BE (Hons) Degree Examination (maximum 480 marks), are added to the final mark obtained in the BE (Hons) Degree Examination (maximum 1200 marks) to provide the final BE</p>

	(Hons) (Electrical and Electronic) Degree Examination (maximum 1680 marks)
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year.</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s)</p>
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Third Year; otherwise he/she cannot continue in the programme.

BE(Hons) IN ELECTRICAL AND ELECTRONIC ENGINEERING FROM 2021/22**BE (Hons) DEGREE EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING**

Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng006.html
Marks Maxima:	100 per five credit module, 200 per ten credit module, Total Marks: 1200
Distribution of Marks:	Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To pass Fourth Year of the BE(Hons) in Electrical and Electronic Engineering, a candidate must: obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (i) pass EE4050 and other 4th year modules to the value of at least 50 credits (ii) obtain a mark of not less than 30% in any remaining module(s).
Honours:	A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows: <ul style="list-style-type: none">• First Class: At least 70% (i.e. at least 1176/1680 marks)• Second Class, Grade I: At least 60% but less than 70% (i.e. at least 1008/1680 marks but less than 1176/1680 marks).• Second Class, Grade II: At least 50% but less than 60% (i.e. at least 840/1680 marks but less than 1008/1680 marks).
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Carrying Forward of	Forty percent of the marks for the Third University Examination in Electrical

<p>Marks Towards Final Degree Award</p>	<p>and Electronic Engineering, once passed (maximum 480 marks), shall be added to the marks obtained at the BE (Hons) Degree Examination (maximum 1200 marks) to provide the Final BE (Hons) (Electrical & Electronic Engineering) Degree result (maximum 1680 marks).</p> <p>Year Abroad</p> <p>In the case of a student, who has passed the Third University Examination in Electrical & Electronic Engineering on the basis of a full year of study abroad, 40% of the aggregate mark in the BE (Hons) Degree Examination (maximum 480 marks), are added to the final mark obtained in the BE (Hons) Degree Examination (maximum 1200 marks) to provide the final BE (Hons) (Electrical and Electronic) Degree Examination (maximum 1680 marks)</p>
<p>Supplemental Examinations:</p>	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
<p>Repeat Year Examinations:</p>	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <ol style="list-style-type: none"> (1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used. (2) Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year. (3) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply. <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s)</p>
<p>Three Year Rule:</p>	<p>A student must pass within 3 academic years of the date of first registration</p>

	for Third Year; otherwise he/she cannot continue in the programme.
--	--

BE (Hons) / ME PATHWAY (ELECTRICAL AND ELECTRONIC) 2020/2021 ONLY

FOURTH UNIVERSITY EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING BE (Hons) / ME PATHWAY (ELECTRICAL AND ELECTRONIC)

Time:	<p>Part A: Marks for all modules in Part A, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.</p> <p>Part B; Marks for the Placement Module (EE6060) will be presented to the Autumn Examination Board. There will no supplemental examination for this module.</p>
Modules:	<p>Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng006.html.</p> <p>The mark for EE3021 (5 credits) is finalised at a Fourth Year Examination Board</p>
Marks Maxima:	<p>EE3021 and Part A: 100 per five credit module. Total Marks: 600</p> <p>Part B: 600 per thirty credit module (EE6060). Total Marks: 600</p>
Distribution of Marks:	<p>Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).</p>
Pass Standard (module level)	<p>The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).</p>
Pass and Progression Standard (programme level):	<p>To pass Fourth Year and progress to Fifth Year, a candidate must:</p> <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 240/600 marks (40%) for the modules comprising Part A. (ii) pass modules to the value of at least 25 credits from Part A (iii) obtain a mark of not less than 30% in the remaining module from Part A (iv) pass EE3021 Electrical and Electronic Engineering in the Commercial World (v) pass the module comprising Part B (EE6060).
Honours:	<p>Honours for Fourth Year BE (Hons) / ME Pathway (Electrical and Electronic) are awarded at the Autumn Examination Board provided that the student has met the pass and progression standard. Honours are calculated on the</p>

	<p>basis of actual marks achieved in Part A at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of this determination.</p> <p>The grade of Honours to be awarded shall be determined as follows:</p> <ul style="list-style-type: none"> • First Class: an aggregate of at least 420/600 marks in Part A (i.e. 70% and above); • Second Class Honours Grade I: an aggregate of at least 360/600 marks in Part A (i.e. 60% and above but less than 70%); • Second Class Honours Grade II: an aggregate of at least 300/600 marks in Part A (i.e. 50% and above but less than 60%).
Exit award:	There is no exit award at the end of Fourth Year. A student may elect to change registration to Fourth Year of the BE (Hons) programme provided formal notification is received by the Student Examinations and Records Office (sreo@ucc.ie) by the end of Week 8 of Semester 1 of Fourth Year.
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Carrying Forward of Marks Towards Final Degree Award	The marks for Part A of the Fourth University Examination BE (Hons) / ME Pathway (Electrical and Electronic), once passed (maximum 600 marks), shall be added with 200/600 (33%) of the marks for Part B of the Fourth University Examination BE (Hons) / ME Pathway (Electrical and Electronic), once passed (maximum 200 marks), which shall be added to the marks obtained at the ME Degree Examination (maximum 1200 marks) to provide the Final ME (Electrical & Electronic Engineering) Degree result (maximum 2000 marks). A minimum mark of 300/600 must be achieved in Part B (EE6060) of the ME Fourth University Examination in Electrical Engineering to be eligible for the award of ME (Electrical & Electronic Engineering).
Supplemental Examinations:	<p>Supplemental Examinations Part A modules will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Summer Examination, is permitted to repeat all failed/absent Part A modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board. Capping of Marks at a Supplemental Examination: In determining pass, progression and honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p> <p>There is no supplemental examination for the Part B module (EE6060).</p>
Repeat Year Examinations:	Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.

	<p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those Part A modules at the Summer Examination board of a Repeat Year</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply. In the case of a candidate choosing this option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s)</p> <p>(3) A student who fails to achieve 300/600 (50%) in Part B (EE6060) may elect to change registration to the BE (Hons) in Electrical and Electronic Engineering and take appropriate required modules to the value of 30 credits in Fourth Year BE (Hons) Semester 2 as a first attempt, where the results obtained in Part A of the Fourth Year BE (Hons) / ME Pathway (Electrical and Electronic) will be used to provide the remainder of the BE(Hons) Fourth Year Aggregate mark for Pass, Progression and Honours, in addition to repeating any failed/absent modules in Part A see option (1) above.</p> <p>(4) A student may elect to change registration to the BE(Hons) in Electrical and Electronic Engineering and undertake the Fourth Year of study for that programme taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p>
<p>Three Year Rule:</p>	<p>A student must pass within 3 academic years of the date of first registration for Fourth Year; otherwise he/she cannot continue in the programme.</p>

BE (Hons) / ME PATHWAY (ELECTRICAL AND ELECTRONIC) FROM 2021/22**FOURTH UNIVERSITY EXAMINATION IN ELECTRICAL AND ELECTRONIC ENGINEERING BE(Hons) / ME PATHWAY (ELECTRICAL AND ELECTRONIC)**

Time:	<p>Part A: Marks for all modules in Part A, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.</p> <p>Part B; Marks for the Placement Module (EE6060) will be presented to the Autumn Examination Board. There will no supplemental examination for this module.</p>
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng006.html .
Marks Maxima:	<p>Part A: 100 per five credit module. Total Marks: 600</p> <p>Part B: 600 per thirty credit module (EE6060). Total Marks: 600</p>
Distribution of Marks:	Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	<p>To pass Fourth Year and progress to Fifth Year, a candidate must:</p> <ul style="list-style-type: none">(i) obtain an overall aggregate pass of 240/600 marks (40%) for the modules comprising Part A.(ii) pass modules to the value of at least 25 credits from Part A(iii) obtain a mark of not less than 30% in the remaining module from Part A(iv) pass the module comprising Part B (EE6060).
Honours:	<p>Honours for Fourth Year BE (Hons) / ME Pathway (Electrical and Electronic) are awarded at the Autumn Examination Board provided that the student has met the pass and progression standard. Honours are calculated on the basis of actual marks achieved in Part A at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of this determination.</p> <p>The grade of Honours to be awarded shall be determined as follows:</p> <ul style="list-style-type: none">• First Class: an aggregate of at least 420/600 marks in Part A (i.e. 70% and above);

	<ul style="list-style-type: none"> • Second Class Honours Grade I: an aggregate of at least 360/600 marks in Part A (.i.e. 60% and above but less than 70%); • Second Class Honours Grade II: an aggregate of at least 300/600 marks in Part A (.i.e. 50% and above but less than 60%).
Exit award:	There is no exit award at the end of Fourth Year. A student may elect to change registration to Fourth Year of the BE (Hons) programme provided formal notification is received by the Student Examinations and Records Office (sreo@ucc.ie) by the end of Week 8 of Semester 1 of Fourth Year.
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Carrying Forward of Marks Towards Final Degree Award	The marks for Part A of the Fourth University Examination BE (Hons) / ME Pathway (Electrical and Electronic), once passed (maximum 600 marks), shall be added with 200/600 (33%) of the marks for Part B of the Fourth University Examination BE (Hons) / ME Pathway (Electrical and Electronic), once passed (maximum 200 marks), which shall be added to the marks obtained at the ME Degree Examination (maximum 1200 marks) to provide the Final ME (Electrical & Electronic Engineering) Degree result (maximum 2000 marks). A minimum mark of 300/600 must be achieved in Part B (EE6060) of the ME Fourth University Examination in Electrical Engineering to be eligible for the award of ME (Electrical & Electronic Engineering).
Supplemental Examinations:	<p>Supplemental Examinations Part A modules will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Summer Examination, is permitted to repeat all failed/absent Part A modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining pass, progression and honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p> <p>There is no supplemental examination for the Part B module (EE6060).</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p>

	<p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those Part A modules at the Summer Examination board of a Repeat Year</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply. In the case of a candidate choosing this option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s)</p> <p>(3) A student who fails to achieve 300/600 (50%) in Part B (EE6060) may elect to change registration to the BE (Hons) in Electrical and Electronic Engineering and take appropriate required modules to the value of 30 credits in Fourth Year BE (Hons) Semester 2 as a first attempt, where the results obtained in Part A of the Fourth Year BE (Hons) / ME Pathway (Electrical and Electronic) will be used to provide the remainder of the BE(Hons) Fourth Year Aggregate mark for Pass, Progression and Honours, in addition to repeating any failed/absent modules in Part A see option (1) above.</p> <p>(4) A student may elect to change registration to the BE(Hons) in Electrical and Electronic Engineering and undertake the Fourth Year of study for that programme taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p>
<p>Three Year Rule</p>	<p>A student must pass within 3 academic years of the date of first registration for Fourth Year; otherwise he/she cannot continue in the programme.</p>

ME IN ELECTRICAL AND ELECTRONIC ENGINEERING (2019/20 AND 2020/21 ONLY)

ME DEGREE EXAMINATION (FIFTH YEAR) IN ELECTRICAL AND ELECTRONIC ENGINEERING

Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng006.html
Marks Maxima:	100 per five credit module, 400 per twenty credit module. Total Marks: 1200
Distribution of Marks:	Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for all modules is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (programme level):	<p>To pass Fifth Year a candidate must:</p> <ul style="list-style-type: none"> • obtain an overall aggregate of 480/1200 marks (40%) across all modules • obtain a mark of at least 50% in EE6050 (20 credits) • pass additional modules to the value of at least 30 credits. • obtain a mark of not less than 30% in the remaining module(s). • obtain an overall aggregate of 900/1800 across the combination of all fifth year modules and Part A modules of fourth year. (see Carrying Forward of Marks towards Final Degree Award below)
Carrying Forward of Marks towards Final Degree Award	<p>The marks for Part A of the Fourth ME University Examination in Electrical and Engineering (maximum 600 marks) shall be added to the marks obtained at the ME Degree Examination (maximum 1200 marks) to provide the Final ME (Electrical and Electronic Engineering) Degree Examination result (Maximum 1800 marks). Part B (EE6060) of the ME Fourth University Examination in Electrical Engineering must be passed to be eligible for the award of ME (Electrical & Electronic Engineering).</p> <p>In the case of a student failing to meet the standard required for the award of ME, but who meets the standard for BE (Hons) the carrying forward of marks is as described in "Exit Awards" below.</p>
Exit Award	A student failing to meet the standard for the award of the ME in Electrical and Electronic Engineering will be eligible for the award of

	<p>BE(Hons) in Electrical and Electronic Engineering.</p> <p>To be eligible for the award of the BE(Hons) a candidate must.</p> <ol style="list-style-type: none"> 1. obtain a mark of at least 40% in EE6050 (20 credits) 2. pass additional modules to the value of at least 20 credits. <p>The classification of honours will be calculated out of 1680 marks as follows:</p> <p>One half of the marks for EE6050 (maximum 200 marks) shall be added to the aggregate marks for the best four modules (excluding EE6050) taken in the Fifth Year Examination (maximum 400 marks), the aggregate marks for Part A of the Fourth (ME) Examination, once passed (maximum 600 marks), 40% of the mark for the placement module EE3021, once passed (maximum 40 marks), and 40% of the marks for the Third University Examination in Electrical and Electronic Engineering, once passed (maximum 40 marks).</p> <p>This gives a maximum of 1680 marks for the calculation of the final BE(Hons) result.</p>
<p>Honours:</p>	<p>ME</p> <p>A candidate, who achieves the pass standard for the award of ME is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • First Class: At least 70% (i.e. at least 1260/1800 marks) • Second Class, Grade I: At least 60% but less than 70% (i.e. at least 1080/1800 marks but less than 1260/1800 marks). • Second Class, Grade II: At least 50% but less than 60% (i.e. at least 900/1800 marks but less than 1080/1800 marks) <p>Exit BE(Hons)</p> <p>A candidate failing to achieve the standard for the award of ME but meets the standard for the award of BE(Hons) Award standard is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • First Class: At least 70% (i.e. at least 1176/1680 marks) • Second Class, Grade I: At least 60% but less than 70% (i.e. at least 1008/1680 marks but less than 1176/1680 marks). • Second Class, Grade II: At least 50% but less than 60% (i.e. at least 840/1680 marks but less than 1008/1680 marks)
<p>Exemptions:</p>	<p>Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.</p>

<p>Supplemental Examinations:</p>	<p>Supplemental Examinations for Fifth Year Semester 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining pass, progression and honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
<p>Repeat Year Examinations:</p>	<p>Fifth Year students wishing to repeat the year with a view to improving their degree result may do so only if they have not been conferred.</p> <p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used. Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year.</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing this option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p> <p>(3) A student may elect to change registration to the BE (Hons) in Electrical and Electronic Engineering and take appropriate required modules to the value of 30 credits in Fourth Year BE (Hons) Semester 2 as a first attempt, where the results obtained in Part A of the Fourth Year ME Examination will be used to provide the remainder of the BE(Hons) Fourth Year Aggregate mark for Pass, Progression and Honours.</p>
<p>Three Year Rule:</p>	<p>A student must pass within 3 academic years of the date of first registration for Fifth Year; otherwise he/she cannot continue in the programme.</p>

SECOND UNIVERSITY EXAMINATION IN ENERGY ENGINEERING	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/academic/calendar/engineering/eng008.html
Marks Maxima:	100 per five credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To pass Second Year and progress to Third Year, a candidate must: <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass modules to the value of at least 50 credits (iii) obtain a mark of not less than 30% in any remaining module(s).
Honours:	A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows: <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 840/1200 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Supplemental Examinations:	Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules

	<p>(www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Second Year; otherwise he/she cannot continue in the programme.

THIRD UNIVERSITY EXAMINATION IN ENERGY ENGINEERING FROM 2020/21	
Time:	<p>Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board.</p> <p>For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.</p>
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/academic/calendar/engineering/eng008.html
Marks Maxima:	100 per five credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard BE (Hons):	<p>To pass Third Year and progress to Fourth Year BE (Hons), a candidate must:</p> <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass modules to the value of at least 50 credits (iii) obtain a mark of not less than 30% in any remaining module(s). <p>Year Abroad</p> <p>To pass Third Year and progress to Fourth Year of the BE(Hons) a candidate who completed third year on the basis of a full year of study abroad must be deemed to pass their year abroad examination by the</p>

	School of Engineering, in consultation with the International Office.
Entry to BE(Hons) / ME Pathway (Energy)	<p>To pass Third Year and progress to Fourth Year BE (Hons) / ME Pathway (Energy), a candidate must obtain a minimum of a 2H2 grade.</p> <p>Year Abroad</p> <p>In the case of a student completing Third year on the basis of a full year of study abroad, the student must:</p> <ol style="list-style-type: none"> 1. have achieved a minimum of 2H1 in their Second University Examination, and 2. be deemed to have passed their Year Abroad Examination, which will be assessed by the School of Engineering in consultation with the International Office <p>to be eligible to register for Fourth Year of the BE (Hons) / ME Pathway (Energy).</p>
Honours:	<p>A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Spring Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 840/1200 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Carrying Forward of Marks Towards Final BE (Hons) Degree Award	<p>For a student continuing to Fourth Year of the BE(Hons) in Energy Engineering:</p> <p>40% of the marks for the Third University Examination in Energy Engineering once passed (maximum 440 marks) shall be added to the marks obtained at the BE (Hons) Degree Examination (maximum 1200 marks) and to 40% of the mark for the work placement module NE3021, once passed (maximum 40 marks), to provide the Final BE (Hons) (Energy Engineering) Degree result (maximum 1680 marks).</p> <p>Year Abroad</p> <p>In the case of a student who has passed the Third University Examination in Energy Engineering on the basis of a full year of study abroad, 40% of the aggregate mark obtained at the BE (Hons) Degree Examination (maximum 480 marks) shall be added to the final mark obtained at the BE (Hons) Degree Examination (maximum 1200 marks) to provide the final BE (Hons) (Energy Engineering) Degree result (maximum 1680 marks)</p>
Carrying Forward of Marks Towards Final ME	For students registering on the BE (Hons) / ME Pathway (Energy) there is no carry forward of the third year mark towards the Final ME Degree

Degree Award	Award.
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Spring Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <ol style="list-style-type: none"> 1. A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Spring Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used. <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Spring Examination board of a Repeat Year</p> <ol style="list-style-type: none"> 2. A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply. <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>

BE (Hons) DEGREE EXAMINATION (ENERGY ENGINEERING) FOR 2019/20 AND 2020/21	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/academic/calendar/engineering/eng008.html Marks for a further 5 credits (for the work placement module NE3021) are awarded at a Fourth Year BE (Hons) Degree board.
Marks Maxima:	100 per five credit module; 200 per ten credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To pass Fourth Year, a candidate must: (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass NE4020 and other modules to the value of at least 50 credits (ii) obtain a mark of not less than 30% in any remaining module(s) To be eligible for the Award of the Degree, a candidate must pass the BE (Hons) Degree Examination and obtain a pass in the Work Placement module (NE3021) unless exempted from NE3021 due to having spent the third year abroad.
Carrying Forward of Marks Towards Final Degree Award	40% of the marks for the Third University Examination in Energy Engineering once passed (maximum 440 marks) shall be added to the marks obtained at the BE (Hons) Degree Examination (maximum 1200 marks) and to 40% of the marks obtained in module NE3021 (maximum 40 marks) to provide the Final BE (Hons) (Energy Engineering) Degree result (maximum 1680 marks). In the case of a student who has passed the Third University Examination in Energy Engineering on the basis of a full year of study abroad, and who has not completed the placement module NE3021, 40% of the aggregate mark obtained at the BE (Hons) Degree Examination (maximum 480 marks) shall be added to the final mark obtained at the BE (Hons) Degree Examination (maximum 1200 marks) to provide the final BE (Hons) (Energy Engineering) Degree result (maximum 1680 marks).
Honours:	A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Summer

	<p>Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 1176/1680 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 1008/1680 marks but less than 1176/1680 marks). • <u>Second Class, Grade II</u>: At least 50% (i.e. least 840/1680 marks but less than 1008/1680 marks).
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Third Year; otherwise he/she cannot continue in the programme.
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>Note: Final Year students wishing to repeat the year with a view to improving their degree result may do so only if they have not been conferred.</p> <p>(i) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year</p>

	<p>(ii) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
--	--

BE (Hons) DEGREE EXAMINATION (ENERGY ENGINEERING) (from 2021/22)

Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at https://www.ucc.ie/admin/registrar/calendar/engineering/eng008.html
Marks Maxima:	100 per five credit module; 200 per ten credit module; Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To pass Fourth Year, a candidate must: <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass NE4020 and other modules to the value of at least 50 credits (ii) obtain a mark of not less than 30% in any remaining module(s)
Honours:	<p>A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 1176/1680 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 1008/1680 marks but less than 1176/1680 marks). • <u>Second Class, Grade II</u>: At least 50% (i.e. least 840/1680 marks but less than 1008/1680 marks).

Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Carrying Forward of Marks Towards Final Degree Award:	<p>Forty percent of the marks for the Third University Examination in Energy Engineering, once passed (maximum 480 marks), shall be added to the marks obtained at the BE (Hons) Degree Examination (maximum 1200 marks) to provide the Final BE (Hons) (Energy Engineering) Degree result (maximum 1680 marks).</p> <p><u>Year Abroad</u></p> <p>In the case of a student, who has passed the Third University Examination in Energy Engineering on the basis of a full year of study abroad, 40% of the aggregate mark in the BE (Hons) Degree Examination (maximum 480 marks), are added to the final mark obtained in the BE (Hons) Degree Examination (maximum 1200 marks) to provide the final BE (Hons) (Energy) Degree Examination (maximum 1680 marks)</p>
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>Note: Final Year students wishing to repeat the year with a view to improving their Degree result may do so only if they have not been conferred.</p> <p>(i) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year</p> <p>(ii) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p>

	In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Fourth Year; otherwise he/she cannot continue in the programme.

BE (Hons) / ME PATHWAY (ENERGY) (FOR 2019/20 AND 2020/21)	
FOURTH UNIVERSITY EXAMINATION IN ENERGY ENGINEERING BE (Hons) / ME (ENERGY) PATHWAY	
Time:	<p>Part A: Marks for all modules in Part A, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.</p> <p>Part B; Marks for the Placement Module (NE6060) will be presented to the Autumn Examination Board. There will no supplemental examination for this module.</p>
Modules:	<p>Candidates are examined in modules to a value of 60 credits as detailed at: https://www.ucc.ie/admin/registrar/calendar/engineering/eng008.html. <u>Marks for a further 5 credits</u> (for the work placement module NE3021) are awarded at a Fourth Year BE (Hons) Degree board.</p>
Marks Maxima:	100 per five credit module. 600 marks per 30 credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	<p>To pass Fourth Year and progress to Fifth Year, a candidate must:</p> <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules, (ii) pass modules to the value of 30 credits from Part A, (iii) pass the module comprising Part B (NE6060).

	obtain a pass in the Work Placement module (NE3021) unless exempted from NE3021 due to having spent the third year abroad.
Honours:	<p>Honours for Fourth Year BE (Hons) / ME Pathway (Energy) are awarded at the Autumn Examination Board provided that the student has met the pass and progression standard. Honours are calculated on the basis of actual marks achieved in Part A at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of this determination.</p> <p>The grade of Honours to be awarded shall be determined as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 420/600 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 360/600 marks but less than 420/600 marks). • <u>Second Class, Grade II</u>: At least 50% (i.e. least 300/600 marks but less than 360/600 marks).
Exit award:	There is no exit award at the end of Fourth Year. A student may elect to change registration to Fourth Year of the BE (Hons) programme provided formal notification is received by the Student Examinations and Records Office (sreo@ucc.ie) by the end of Week 8 of Semester 1 of Fourth Year.
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Carrying Forward of Marks Towards Final Degree Award	The marks for Part A of the Fourth University Examination BE (Hons) / ME Pathway, (Energy) once passed (maximum 600 marks), shall be added to one third of the marks obtained for Part B of the Fourth University Examination BE (Hons) / ME Pathway (Energy), once passed (maximum 200 marks), and the marks obtained at the ME Degree Examination (maximum 1200 marks) to provide the Final ME (Energy Engineering) Degree result (maximum 2000 marks).
Supplemental Examinations:	<p>Supplemental Examinations Part A modules will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Summer Examination, is permitted to repeat all failed/absent Part A modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining pass, progression and honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>

	There is no supplemental examination for the Part B module (NE6060).
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those Part A modules at the Summer Examination board of a Repeat Year</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply. In the case of a candidate choosing this option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s)</p> <p>(3) A student who fails Part B (NE6060) may elect to change registration to the BE (Hons) in Energy Engineering and take appropriate required modules to the value of 30 credits in Fourth Year BE (Hons) Semester 2 as a first attempt, where the results obtained in Part A of the Fourth Year BE (Hons) / ME Pathway (Energy) will be used to provide the remainder of the BE(Hons) Fourth Year Aggregate mark for Pass, Progression and Honours, in addition to repeating any failed/absent modules in Part A see option (1) above.</p> <p>(4) A student may elect to change registration to the BE(Hons) in Energy Engineering and undertake the Fourth Year of study for that programme taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p>
Three Year Rule (or other rule to apply):	A student must pass within 3 academic years of the date of first registration for Fourth Year; otherwise he/she cannot continue in the programme.

BE (Hons) / ME PATHWAY (ENERGY) (FROM 2021/22)

FOURTH UNIVERSITY EXAMINATION IN ENERGY ENGINEERING BE (Hons) / PATHWAY ME (ENERGY)

Time:

Part A: Marks for all modules in Part A, including those wholly assessed

	<p>by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.</p> <p>Part B; Marks for the Placement Module (NE6060) will be presented to the Autumn Examination Board. There will no supplemental examination for this module.</p>
Modules:	<p>Candidates are examined in modules to a value of 60 credits as detailed at: https://www.ucc.ie/admin/registrar/calendar/engineering/eng008.html.</p>
Marks Maxima:	<p>100 per five credit module. 600 marks per 30 credit module. Total Marks: 1200.</p>
Distribution of Marks:	<p>Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).</p>
Pass Standard (module level):	<p>The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).</p>
Pass and Progression Standard (programme level):	<p>To pass Fourth Year and progress to Fifth Year, a candidate must:</p> <ul style="list-style-type: none"> (iv) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules, (v) pass modules to the value of 30 credits from Part A, (vi) pass the module comprising Part B (NE6060).
Honours:	<p>Honours for Fourth Year BE (Hons) / ME Pathway (Energy) are awarded at the Autumn Examination Board provided that the student has met the pass and progression standard. Honours are calculated on the basis of actual marks achieved in Part A at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of this determination.</p> <p>The grade of Honours to be awarded shall be determined as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 420/600 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 360/600 marks but less than 420/600 marks). • <u>Second Class, Grade II</u>: At least 50% (i.e. least 300/600 marks but less than 360/600 marks).
Exit award:	<p>There is no exit award at the end of Fourth Year. A student may elect to change registration to Fourth Year of the BE (Hons) programme provided formal notification is received by the Student Examinations and Records Office (sreo@ucc.ie) by the end of Week 8 of Semester 1 of Fourth Year.</p>

<p>Exemptions:</p>	<p>Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.</p>
<p>Carrying Forward of Marks Towards Final Degree Award</p>	<p>The marks for Part A of the Fourth University Examination BE (Hons) / ME Pathway (Energy), once passed (maximum 600 marks), shall be added to one third of the marks obtained for Part B of the Fourth University Examination BE (Hons) / ME (Energy) Pathway, once passed (maximum 200 marks), and the marks obtained at the ME Degree Examination (maximum 1200 marks) to provide the Final ME (Energy Engineering) Degree result (maximum 200 marks).</p>
<p>Supplemental Examinations:</p>	<p>Supplemental Examinations Part A modules will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Summer Examination, is permitted to repeat all failed/absent Part A modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining pass, progression and honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p> <p>There is no supplemental examination for the Part B module (NE6060).</p>
<p>Repeat Year Examinations:</p>	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those Part A modules at the Summer Examination board of a Repeat Year</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply. In the case of a candidate choosing this option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s)</p>

	<p>(3) A student who fails Part B (NE6060) may elect to change registration to the BE (Hons) in Energy Engineering and take appropriate required modules to the value of 30 credits in Fourth Year BE (Hons) Semester 2 as a first attempt, where the results obtained in Part A of the Fourth Year BE (Hons) / ME Pathway (Energy) will be used to provide the remainder of the BE(Hons) Fourth Year Aggregate mark for Pass, Progression and Honours, in addition to repeating any failed/absent modules in Part A see option (1) above.</p> <p>(4) A student may elect to change registration to the BE(Hons) in Energy Engineering and undertake the Fourth Year of study for that programme taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p>
Three Year Rule (or other rule to apply):	A student must pass within 3 academic years of the date of first registration for Fourth Year; otherwise he/she cannot continue in the programme.

ME IN ENERGY ENGINEERING (FROM 2020/21)	
ME DEGREE EXAMINATION (FIFTH YEAR) IN ENERGY ENGINEERING	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng006.html
Marks Maxima:	100 per five credit module, 400 per twenty credit module. Total Marks: 1200
Distribution of Marks:	Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for all modules is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (programme level):	To pass Fifth Year a candidate must: <ul style="list-style-type: none"> • obtain an overall aggregate of 480/1200 marks (40%) across all modules • obtain a mark of at least 50% in module NE6017, • pass additional modules to the value of at least 30 credits;

	<ul style="list-style-type: none"> • obtain a mark of not less than 30% in the remaining module(s); • obtain an overall aggregate of 1000/2000 across a combination of all fifth year modules, Part A 4th year ME Pathway modules and the Part B ME Pathway module weighted from 600 to 200 marks. (see Carrying Forward of Marks towards Final degree award below)
Carrying Forward of Marks towards Final Degree Award	<p>The marks for Part A of the Fourth ME University Examination in Energy Engineering (maximum 600 marks) shall be added to one third of the marks obtained for Part B of the Fourth University Examination BE (Hons) / ME Pathway (Energy) (maximum 200 marks), and the marks obtained at the ME Degree Examination (maximum 1200 marks) to provide the Final ME (Energy Engineering) Degree result (maximum 2000 marks).</p> <p>In the case of a student failing to meet the standard required for the award of ME, but who meets the standard for BE (Hons) the carrying forward of marks is as described in “Exit Awards” below.</p>
Exit Award	<p>A student failing to meet the standard for the award of the ME in Energy Engineering will be eligible for the award of BE (Hons) in Energy Engineering.</p> <p>To be eligible for the award of the BE(Hons) a candidate must.</p> <ol style="list-style-type: none"> 1. obtain a mark of at least 40% in NE6017 (20 credits) 2. pass additional modules to the value of at least 20 credits. <p>The classification of honours will be calculated out of 1680 marks as follows:</p> <p>One half of the marks for NE6017 (maximum 200 marks) shall be added to the aggregate marks for the best four modules (excluding NE6017) taken in the Fifth Year Examination (maximum 400 marks), the aggregate marks for Part A of the Fourth (ME) Examination, once passed (maximum 600 marks), and 40% of the marks for the Third University Examination in Energy Engineering, once passed (maximum 480 marks).</p> <p>This gives a maximum of 1680 marks for the calculation of the final BE (Hons) result.</p>
Honours:	<p><u>ME</u></p> <p>A candidate, who achieves the pass standard for the award of ME is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 1400/2000 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 1200/2000 marks but less than 1400/2000 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 1000/2000 marks but less than 1200/2000 marks) <p><u>Exit BE(Hons)</u></p> <p>A candidate failing to achieve the standard for the award of ME but meets the standard for the award of BE (Hons) Award standard is eligible for</p>

	<p>honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 1176/1680 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 1008/1680 marks but less than 1176/1680 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 840/1680 marks but less than 1008/1680 marks)
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Supplemental Examinations:	<p>Supplemental Examinations for Fifth Year Semester 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board. Capping of Marks at a Supplemental Examination: In determining pass, progression and honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Fifth Year students wishing to repeat the year with a view to improving their degree result may do so only if they have not been conferred.</p> <p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year.</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing this option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the</p>

	<p>combined results from the repeat and earlier year(s).</p> <p>(3) A student may elect to change registration to the BE (Hons) in Energy Engineering and take appropriate required modules to the value of 30 credits in Fourth Year BE (Hons) Semester 2 as a first attempt, where the results obtained in Part A of the Fourth Year ME Examination will be used to provide the remainder of the BE(Hons) Fourth Year Aggregate mark for Pass, Progression and Honours.</p>
<p>Three Year Rule:</p>	<p>A student must pass within 3 academic years of the date of first registration for Fifth Year; otherwise he/she cannot continue in the programme.</p>

SECOND UNIVERSITY EXAMINATION IN PROCESS & CHEMICAL ENGINEERING	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng004.html
Marks Maxima:	100 per five credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To pass Second Year and progress to Third Year, a candidate must: (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass modules to the value of at least 50 credits (iii) obtain a mark of not less than 30% in any remaining module(s)
Honours:	A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows: <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 840/1200 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Supplemental Examinations:	Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules. Note: For some modules there is no Autumn Supplemental Examination. A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not

	<p>disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(i) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer</p> <p>(ii) Examination board of a Repeat Year. A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Second Year; otherwise he/she cannot continue in the programme.

THIRD UNIVERSITY EXAMINATION IN PROCESS & CHEMICAL ENGINEERING	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Spring Examination Board. For students failing to achieve the pass standard for the year at the Spring Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed: http://www.ucc.ie/calendar/engineering/eng004.html
Marks Maxima:	100 per five credit module, 200 per ten credit module. Total Marks: 1200
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules: www.ucc.ie/academic/modules/ .
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules:

	(www.ucc.ie/academic/modules/) .
Pass and Progression Standard (BE (Hons))	<p>To pass Third Year and progress to Fourth Year BE (Hons), a candidate must:</p> <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules (ii) pass modules to the value of at least 50 credits (iii) obtain a mark of not less than 30% in any remaining module(s). <p>Year Abroad</p> <p>To pass Third Year and progress to Fourth Year of the BE(Hons), a candidate who completed third year on the basis of a full year of study abroad must be deemed to pass their year abroad examination by the School of Engineering, in consultation with the International Office.</p>
Entry to BE (Hons) / ME Pathway (Process & Chemical)	<p>Students who pass the Third University Examination in Process and Chemical Engineering, achieving at least a 2H2 will be eligible to register for Fourth Year of the BE (Hons) / ME Pathway (Process and Chemical Engineering).</p> <p>In the case of a student completing Third year on the basis of a full year of study abroad, the student must:</p> <ul style="list-style-type: none"> 1. have achieved a minimum of 2H1 in their Second University Examination, and 2. be deemed to have passed their Year Abroad Examination, which will be assessed by the School of Engineering in consultation with the International Office
Honours:	<p>A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 840/1200 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Carrying Forward of Marks Towards the Final Degree Award:	<p>For a student continuing to Fourth Year of the BE (Hons) in Process and Chemical Engineering: 40% of the aggregate marks (maximum 480 marks) in the Third University Examination, once passed, shall be added to the final mark obtained at the BE (Hons) Degree Examination (maximum 1200 marks), to provide the Final BE (Hons) (Process and Chemical Engineering) Degree result (maximum 1680 marks).</p> <p>Year Abroad</p> <p>In the case of a student, who has passed the Third University Examination in Process & Chemical Engineering on the basis of a full year of study abroad, 40% of the aggregate mark in the BE (Hons) Degree Examination (maximum 480 marks) shall be added to the final mark obtained in the BE (Hons) Degree</p>

	Examination (maximum 1200 marks) to provide the final BE (Hons) (Process and Chemical Engineering) Degree result (maximum 1680 marks).
Carrying Forward of Marks Towards Final ME Degree Award	For students registering on the BE (Hons) / ME Pathway (Process and Chemical) there is no carry forward of the third year mark towards the Final ME Degree Award.
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Spring Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Spring Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Spring Examination board of a Repeat Year</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Third Year; otherwise he/she cannot continue in the programme.

BE (Hons) DEGREE EXAMINATION (PROCESS & CHEMICAL ENGINEERING)	
Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at http://www.ucc.ie/calendar/engineering/eng004.html
Marks Maxima:	100 per five credit module; 200 per ten credit module; 300 per 15 credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To pass the BE (Hons) Process and Chemical) Degree Examination, a candidate must: <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules, (ii) pass PE4050 and other Fourth year modules to the value of at least 60 credits <p>To be eligible for the Award of the Degree, a candidate must pass the BE (Hons) Degree Examination.</p>
Carrying Forward of Marks Towards Final Degree Award	40% of the aggregate marks (maximum 480 marks) in the Third University Examination, once passed, are added to the aggregate marks obtained at the BE (Hons) Degree Examination (maximum 1200 marks) for the purpose of determining the final Degree result (maximum 1680 marks). <p>Year Abroad</p> <p>In the case of a student, who has passed the Third University Examination in Process and Chemical Engineering on the basis of a full year of study abroad, 40% of the aggregate mark obtained at the BE (Hons) Degree Examination shall be used in place of 40% of the aggregate mark obtained at the Third University Examination</p>
Honours:	A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class:</u> At least 70% (i.e. at least 1176/1680 marks)

	<ul style="list-style-type: none"> • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 1008/1680 marks but less than 1176/1680 marks). • <u>Second Class, Grade II</u>: At least 50% (i.e. least 840/1680 marks but less than 1008/1680 marks).
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>Note: Final Year students wishing to repeat the year with a view to improving their Degree result may do so only if they have not been conferred.</p> <ol style="list-style-type: none"> 1. A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used. <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year</p> <ol style="list-style-type: none"> 2. A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply. <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Fourth Year; otherwise he/she cannot continue in the programme.

FOURTH UNIVERSITY EXAMINATION IN PROCESS AND CHEMICAL ENGINEERING BE (Hons) / ME Pathway (Process and Chemical)

Time:	<p>Part A: Marks for all modules in Part A, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.</p> <p>Part B; Marks for the Placement Module (PE6060) will be presented to the Autumn Examination Board. There will no supplemental examination for this module.</p>
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng006.html .
Marks Maxima:	100 per five credit module. 300 per fifteen credit module. 600 marks per 30 credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	<p>To pass Fourth Year and progress to Fifth Year, a candidate must:</p> <ol style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules, (ii) pass modules in Part A to the value of 30 credits, (iii) pass the module comprising Part B (PE6060).
Honours:	<p>Honours for Fourth Year BE (Hons) / ME Pathway (Process and Chemical) are awarded at the Autumn Examination Board provided that the student has met the pass and progression standard. Honours are calculated on the basis of actual marks achieved in Part A at the Summer Examination and in Part B at the Autumn Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of this determination.</p> <p>The grade of Honours to be awarded shall be determined as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 420/600 marks) • At least 60% but less than 70% (i.e. at least 360/600 marks but less than 420/600 marks). • <u>Second Class, Grade II</u>: At least 50% (i.e. least 300/600 marks but less than 360/600 marks).

Exit award:	There is no exit award at the end of Fourth Year. A student may elect to change registration to Fourth Year of the BE (Hons) programme provided formal notification is received by the Student Examinations and Records Office (sreo@ucc.ie) by the end of Week 8 of Semester 1 of Fourth Year.
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Carrying Forward of Marks Towards Final Degree Award	The marks for Part A of the Fourth University Examination BE (Hons) / ME Pathway (Process and Chemical), once passed (maximum 600 marks), shall be added to one third the marks obtained for Part B of the Fourth University Examination BE (Hons) / ME Pathway (Process and Chemical), once passed (maximum 200 marks), and the marks obtained at the ME Degree Examination (maximum 1200 marks) to provide the Final ME (Process and Chemical Engineering) Degree result (maximum 2000 marks).
Supplemental Examinations:	<p>Supplemental Examinations Part A modules will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate, who fails to achieve the pass standard for the year at the Summer Examination, is permitted to repeat all failed/absent Part A modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board. Capping of Marks at a Supplemental Examination: In determining pass, progression and honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p> <p>There is no supplemental examination for the Part B module (PE6060).</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those Part A modules at the Summer Examination board of a Repeat Year</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply. In the case of a candidate choosing this option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression</p>

	<p>standard for the year on the combined results from the repeat and earlier year(s)</p> <p>(3) A student who fails Part B (PE6060) may elect to change registration to the BE (Hons) in Process and Chemical Engineering and take appropriate required modules to the value of 30 credits in Fourth Year BE (Hons) Semester 2 as a first attempt, where the results obtained in Part A of the Fourth Year BE (Hons) / ME Pathway (Process and Chemical) will be used to provide the remainder of the BE(Hons) Fourth Year Aggregate mark for Pass, Progression and Honours, in addition to repeating any failed/absent modules in Part A see option (1) above.</p> <p>(4) A student may elect to change registration to the BE(Hons) in Process and Chemical Engineering and undertake the Fourth Year of study for that programme taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p>
Three Year Rule:	A student must pass within 3 academic years of the date of first registration for Fourth Year; otherwise he/she cannot continue in the programme.

ME in Process and Chemical Engineering (from 2020/21)

ME DEGREE EXAMINATION (Fifth Year) IN PROCESS AND CHEMICAL ENGINEERING

Time:	Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 60 credits as detailed at: http://www.ucc.ie/calendar/engineering/eng006.html
Marks Maxima:	100 per five credit module, 400 per twenty credit module. Total Marks: 1200
Distribution of Marks:	Distribution of marks and assessment details (including Written Examination Profile) for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for all modules is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass Standard (programme level):	<p>To pass Fifth Year a candidate must:</p> <ul style="list-style-type: none"> • obtain an overall aggregate of 480/1200 marks (40%) across all modules • obtain a mark of at least 50% in PE6050 (20 credits) • pass core modules PE6030, PE6031, PE6033, PE6034, PE6035, PE6036 and elective module (PE6032 or NE6004),

	<ul style="list-style-type: none"> • obtain a mark of not less than 30% in the remaining module(s). • obtain an overall aggregate of 1000/2000 across the combination of all fifth year modules and Part A modules of fourth year. (see Carrying Forward of Marks towards Final Degree Award below)
Carrying Forward of Marks towards Final Degree Award	<p>The marks for Part A of the Fourth ME University Examination in Process and Chemical Engineering (maximum 600 marks) shall be added to one third the marks obtained for Part B of the Fourth University Examination BE (Hons) / ME Pathway (Process and Chemical) (maximum 200 marks), and the marks obtained at the ME Degree Examination (maximum 1200 marks) to provide the Final ME (Process and Chemical Engineering) Degree result (maximum 2000 marks). In the case of a student failing to meet the standard required for the award of ME, but who meets the standard for BE (Hons) the carrying forward of marks is as described in “Exit Awards” below.</p>
Exit Award	<p>A student failing to meet the standard for the award of the ME in Process and Chemical Engineering will be eligible for the award of BE(Hons) in Process and Chemical Engineering.</p> <p>To be eligible for the award of the BE(Hons) a candidate must obtain a mark of at least 40% in PE6050 (20 credits) pass additional modules to the value of at least 20 credits.</p> <p>The classification of honours will be calculated out of 1680 marks as follows:</p> <p>One half of the marks for PE6050 (maximum 200 marks) shall be added to the aggregate marks for the best four modules (excluding PE6050) taken in the Fifth Year Examination (maximum 400 marks), the aggregate marks for Part A of the Fourth (ME) Examination, once passed (maximum 600 marks), and 40% of the marks for the Third University Examination in Process and Chemical Engineering, once passed (maximum 480 marks).</p> <p>This gives a maximum of 1680 marks for the calculation of the final BE(Hons) result.</p>
Honours:	<p><u>ME</u></p> <p>A candidate, who achieves the pass standard for the award of ME is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 1400/2000 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 1200/2000 marks but less than 1400/2000 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 1000/2000 marks but less than 1200/2000 marks) <p><u>Exit BE(Hons)</u></p>

	<p>A candidate failing to achieve the standard for the award of ME but meets the standard for the award of BE(Hons) Award standard is eligible for honours on the basis of actual marks achieved at the Winter or Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours. First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class</u>: At least 70% (i.e. at least 1176/1680 marks) • <u>Second Class, Grade I</u>: At least 60% but less than 70% (i.e. at least 1008/1680 marks but less than 1176/1680 marks). • <u>Second Class, Grade II</u>: At least 50% but less than 60% (i.e. at least 840/1680 marks but less than 1008/1680 marks)
Exemptions:	Each passed module carries an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Supplemental Examinations:	<p>Supplemental Examinations for Fifth Year Semester 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules. Note: For some modules there is no Autumn Supplemental Examination. A candidate, who fails to achieve the pass standard for the year at the Winter or Summer Examination, is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board. Capping of Marks at a Supplemental Examination: In determining pass, progression and honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	<p>Fifth Year students wishing to repeat the year with a view to improving their degree result may do so only if they have not been conferred.</p> <p>Unless debarred from so doing under the three year rule, a student is permitted to repeat the year under the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination board of a Repeat Year.</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing this option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a</p>

	<p>pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p> <p>(3) A student may elect to change registration to the BE (Hons) in Process and Chemical Engineering and take appropriate required modules to the value of 30 credits in Fourth Year BE (Hons) Semester 2 as a first attempt, where the results obtained in Part A of the Fourth Year ME Examination will be used to provide the remainder of the BE(Hons) Fourth Year Aggregate mark for Pass, Progression and Honours.</p>
<p>Three Year Rule (or other rule to apply):</p>	<p>A student must pass within 3 academic years of the date of first registration for Fifth Year; otherwise he/she cannot continue in the programme.</p>

DIPLOMA PROGRAMMES

DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING STUDIES (2019/2020 only)	
Time:	Written Examinations will be held in Winter, Spring (3000-level modules) and Summer (other modules). Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For students failing to achieve the pass standard for the year based on the results of the winter, Spring and Summer Examinations, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Students take 60 credits as detailed at: http://www.ucc.ie/admin/registrar/calendar/engineering/eng010.html
Marks Maxima:	100 per five-credit module; 200 per ten-credit module; Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules.
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To be eligible for the award of the Diploma in Electrical and Electronic Engineering Studies, a candidate must: <ul style="list-style-type: none"> (i) obtain an overall aggregate pass of 480/1200 marks (40%) across all modules; (ii) pass modules to the value of at least 50 credits; (iii) obtain a mark of not less than 30% in any remaining module(s).
Carrying Forward of Marks Towards the Final Degree Award:	N/A
Honours:	N/A
Exemptions:	N/A
Supplemental Examinations:	Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn). Please refer to the Book of Modules for requirements governing the Autumn Supplemental Examination for individual modules. Note: For some modules there is no Supplemental Examination. Students who fail to achieve the pass standard for the year at the Summer Examination must repeat all failed/absent modules at the Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board (see below). Marks from all passed modules are carried

	<p>forward to the Supplemental Examination.</p> <p>The pass/progression rule is then applied to the combination of marks carried forward in passed modules and marks obtained in repeated modules.</p> <p>Capping of Marks at a Supplemental Examination: In determining aggregation and progression, the maximum mark that will be taken into account is a pass - 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
Repeat Year Examinations:	No repeat year is permitted for this programme
Three Year Rule:	N/A

HIGHER DIPLOMA EXAMINATION IN SUSTAINABILITY IN ENTERPRISE

Time:	Marks for all taught modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Students take 60 credits of modules as follows: Link to Calendar for Programme Requirements
Marks Maxima:	100 marks per 5 credit module, 200 per 10 credit module. Total Marks: 1200 marks.
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the <i>Book of Modules</i> (www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the <i>Book of Modules</i> (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To be awarded the Higher Diploma, a candidate must obtain a pass in each module to the value of 60 credits.
Honours:	Honours will be awarded on the basis of the overall aggregate marks awarded as follows: First Class Honours: an aggregate of at least 840/1200 marks (i.e. 70% and above) Second Class Honours: an aggregate of at least 720/1200 marks (i.e. 60% and above but less than 70%) Pass: an aggregate of at least 480/1200 marks (i.e. 40% and above but less than 60%)
Exemptions:	All passed modules carry an exemption which is limited to a period of 5 academic years subsequent to the award of the exemption.
Supplemental Examinations:	Please refer to the <i>Book of Modules</i> (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules. Note: for some modules there is no Supplemental Examination. A candidate who has failed to achieve the pass standard for the year at the Summer Examination must repeat all failed/absent modules at the Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board, or in a Repeat Year (see below). Marks from all passed modules are carried forward to the Supplemental Examination. Capping of Marks at a Supplemental Examination: In determining aggregation and the calculation of honours, the maximum mark that will be taken into account in

HIGHER DIPLOMA EXAMINATION IN SUSTAINABILITY IN ENTERPRISE	
	passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.
<i>Repeat Year Examinations:</i>	Students repeating the year retain exemptions, if any, and must repeat all failed/absent modules. In determining aggregation and progression, full marks obtained in modules passed at the Summer Examination board in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.

POSTGRADUATE PROGRAMMES: MASTERS' DEGREES

MEngSc DEGREE EXAMINATION

MEngSc Degree by Research: Candidates must submit a substantial research thesis and may be required to take taught modules on related subjects. Candidates may be required to pass an oral and/or written examination on the subject matter of the thesis.

MEngSc DEGREE EXAMINATION IN MECHANICAL ENGINEERING (MANUFACTURING, PROCESS AND AUTOMATION SYSTEMS)	
Time:	Marks for all modules in Part including those wholly assessed by continuous assessment will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard in Part I at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board. Note: There is no Supplemental Examination for ME6019. Marks for Part II will be submitted to a Winter Examination Board with no Supplemental Examination.
Modules:	Part I: Candidates take modules to the value of 60 credits, Part II: ME6020 Dissertation in Mechanical Engineering (30 credits) as detailed at www.ucc.ie/calendar/postgraduate/masters/engineering/page05.html
Marks Maxima:	100 marks per 5 credit module; 200 marks per 10 credit module, 600 marks per 30 credit module. Total Marks – Part I: 1200 marks; Part II: 600 marks
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the Book of Modules (www.ucc.ie/academic/modules/)
Pass Standard (module level):	The pass standard for each module in Part I is 40%. The pass standard for Part II, ME6020 Dissertation in Mechanical Engineering is 50%. Special Requirements for individual modules, if any, are detailed in the Book of Modules (www.ucc.ie/academic/modules/)
Progression to Part II:	A candidate who obtains an average mark of at least 50% across the taught modules excluding ME6019 Preliminary Research Project at the first attempt and obtains a mark of at least 50% in ME6019 Preliminary Research Project in Part I will be permitted to proceed to Part II of the programme, ME6020 Dissertation in Mechanical Engineering.
Degree Award:	A candidate, who has progressed to Part II, must achieve a pass mark of at least 40% in each individual module and a mark of at least 50% in ME6020 to be eligible for the award of the MEngSc Degree in Mechanical Engineering (Manufacturing, Process and Automation Systems)

MEngSc DEGREE EXAMINATION IN MECHANICAL ENGINEERING (MANUFACTURING, PROCESS AND AUTOMATION SYSTEMS)

<p>Distinction:</p>	<p>A candidate, who achieves the standard for the award of the MEngSc Degree, is eligible for a Distinction. A Distinction shall be awarded on the aggregate of Parts I and II on the basis of actual marks achieved at the Winter and Summer Examinations and capped marks at the Autumn Supplemental Examination with any exempted modules based on previous cognate study deemed to have been passed at a mark of 40% for the purposes of determining a Distinction as follows:</p> <p>Distinction: At least 70% (i.e. at least 1260/1800 marks).</p>
<p>Exemptions:</p>	<p>All passed modules carry an exemption which is limited to a period of 2 academic years subsequent to the award of the exemption.</p>
<p>Exit Award Postgraduate Diploma in Mechanical Engineering (Manufacturing, Process and Automation Systems):</p>	<p>A candidate, who passes Part I but does not achieve an average mark of at least 50% across the taught modules excluding ME6019 Preliminary Research Project or does not achieve a mark of at least 50% in ME6019 Preliminary Research Project, will be eligible for the award of a Postgraduate Diploma in Mechanical Engineering (Manufacturing, Process and Automation Systems).</p> <p>A candidate, who passes the Part I examination and does not wish to proceed to Part II, may opt to be conferred with a Postgraduate Diploma in Mechanical Engineering (Manufacturing, Process and Automation Systems).</p>
<p>Supplemental Examinations:</p>	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn).</p> <p>Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules. Note: There is no Supplemental Examination for ME6019 and ME6020.</p> <ul style="list-style-type: none"> • A candidate, who has failed to achieve the pass standard in each taught module in Part I at the Summer Examination Board, is required to repeat failed/absent modules at the Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board. • Marks from all passed modules are carried forward to the Supplemental Examination. <p>Capping of Marks at a Supplemental Examination: In determining aggregation and the award of a Distinction, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
<p>Repeat Year Examinations:</p>	<p>Marks will be capped in a Repeat Year examination. Candidates will not be eligible for the award of Distinction in a Repeat Year.</p>

MEngSc DEGREE EXAMINATION IN ELECTRICAL & ELECTRONIC ENGINEERING

Time:	<p>Marks for all modules in Part I will be presented to the Summer Examination Board.</p> <p>For candidates failing to achieve the pass standard in Part I at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.</p> <p>Note: There will be no Supplemental Examination for EE6019.</p> <p>Marks for Part II will be submitted to a Winter Examination Board with no Supplemental Examination.</p>
Modules:	<p>Part I: Students take modules to the value of 60 credits, as detailed at: http://www.ucc.ie/calendar/postgraduate/Masters/engineering/page03a.html</p> <p>Part II: Dissertation in Electrical and Electronic Engineering EE6023 (30 credits)</p>
Marks Maxima:	100 per 5 credit module, 200 marks per 10 credit module, 600 marks per 30 credit module; Total Marks - Part I: 1200 marks; Part II: 600 marks.
Distribution of Marks:	<p>Distribution of marks and assessment details for individual modules are contained in the Book of Modules</p> <p>(www.ucc.ie/academic/modules/descriptions/page048a.html)</p>
Pass Standard (module level):	<p>The pass standard for each module in Part 1 is 40%. The pass standard for each module in Part I is 40%. The pass standard for Part II, EE6023 Dissertation in Electrical and Electronic Engineering is 50%. Special Requirements for individual modules, if any, are detailed in the Book of Modules. (www.ucc.ie/academic/modules/)</p>
Progression to Part II:	<p>A candidate who obtains an average mark of at least 50% across the taught modules excluding the preliminary research project (EE6019) at the first attempt at the Summer Examination Board and obtains a mark of at least 50% in the preliminary research project in Part I will be permitted to proceed to Part II of the programme.</p>
Degree Award:	<p>A candidate, who has progressed to Part II must achieve a mark of at least 40% in each individual module and a mark of at least 50% in EE6023 to be eligible for the award of the MEngSc Degree in Electrical & Electronic Engineering.</p>
Distinction:	<p>A candidate, who achieves the standard for the award of the MEngSc Degree at the first attempt, is eligible for a Distinction. A Distinction shall be awarded on the aggregate of Parts I and II as follows:</p> <p style="padding-left: 40px;">Distinction: At least 70% (i.e. at least 1260/1800 marks).</p>
Exit Award Postgraduate Diploma in Electrical & Electronic Engineering	<p>A candidate who passes Part 1 but does not achieve an average mark of at least 50% across the taught modules excluding the preliminary research project (EE6019) or does not achieve a mark of at least 50% in the preliminary research project (EE6019), will be eligible for the award of a Postgraduate Diploma in Electrical and Electronic Engineering.</p>

	A candidate, who passes the Part I examination and does not wish to proceed to Part II, may opt to be conferred with a Postgraduate Diploma in Electrical & Electronic Engineering.
Exemptions:	All passed modules carry an exemption which is limited to a period of 5 academic years
Supplemental Examinations:	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August (Autumn).</p> <p>(i) Please refer to the Book of Modules (www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: There is no Supplemental Examination for EE6019 or EE6023.</p> <p>(ii) A candidate who has progressed to Part II but has failed to achieve the pass standard in each taught module at the Summer Examination, is required to repeat failed/absent modules at the Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>(iii) Capping of Marks at a Supplemental Examination: In determining aggregation and the award of a Distinction, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p> <p>(iv) A candidate who has failed to progress to Part II, and has failed to reach the pass standard in each taught module in Part I at the Summer Examination, is permitted to repeat failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board, and will be awarded the Postgraduate Diploma in Electrical and Electronic Engineering when a pass mark has been obtained in every Part I module.</p>
Repeat Year Examinations:	Marks will be capped in a repeat year examination. Candidates will not be eligible for the award of Distinction in a Repeat Year.

MEngSc DEGREE EXAMINATION IN SUSTAINABLE ENERGY	
Time:	Written examinations will be held in Spring and Summer. Marks for all modules in Part I will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard in Part I at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board. Note: There is no Supplemental Examination for NE6008. Marks for Part II will be submitted to a Winter Examination Board with no Supplemental Examination.
Modules:	Part I: Candidates take modules to the value of 60 credits, as detailed at: http://www.ucc.ie/calendar/postgraduate/Masters/engineering/page06.html Part II: Dissertation in Sustainable Energy NE6009 (30 credits).
Marks Maxima:	100 marks per 5 credit module; 200 marks per 10 credit module, 600 marks per 30 credit module. Total Marks – Part I: 1200 marks; Part II: 600 marks.
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the Book of Modules (http://www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each module in Part I is 40%. The pass standard for the Dissertation (NE6009) is 50%. Special Requirements for individual modules are detailed in the Book of Modules (http://www.ucc.ie/academic/modules/).
Progression to Part II:	A candidate who obtains an average mark of at least 50% across the taught modules at the first attempt at the Summer Examinations and at least 50% in the Preliminary Research Report (NE6008) in Part I will be permitted to proceed to Part II of the programme, the Dissertation (NE6009).
Degree Award:	A candidate, who has progressed to Part II, must achieve a pass mark of 40% in each individual module and a mark of at least 50% in NE6009 to be eligible for the award of the MEngSc Degree in Sustainable Energy.
Distinction :	A candidate, who achieves the standard for the award of the MEngSc Degree at the first attempt, is eligible for a Distinction. A Distinction shall be awarded on the aggregate of Parts I and II as follows: Distinction: At least 70% (i.e. at least 1260/1800 marks).
Transfer to the Postgraduate Diploma in Sustainable Energy:	A candidate, who passes Part I but does not achieve an average mark of at least 50% across the taught modules and a mark of at least 50% in the Preliminary Research Report, will be eligible for the award of a Postgraduate Diploma in Sustainable Energy. A candidate, who passes the Part I examination and does not wish to proceed to Part II, may opt to be conferred with a Postgraduate Diploma in Sustainable Energy.
Exemptions:	All passed modules carry an exemption which is limited to a period of 5 academic years subsequent to the award of the exemption.
Supplemental	Supplemental Examinations for Semesters 1 and 2 will be held in August

<p>Examinations:</p>	<p>(Autumn).</p> <ul style="list-style-type: none"> • Please refer to the Book of Modules (http://www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules. <p>Note: There is no Supplemental Examination for NE6008.</p> <ul style="list-style-type: none"> • A candidate, who has progressed to Part II but has failed to achieve the pass standard in each taught module at the Summer Examination, is required to repeat failed/absent modules at the Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board. • A candidate, who has failed to progress to Part II and has failed to reach the pass standard in each taught module in Part I at the Summer Examination, is permitted to repeat failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board, and will be eligible for the award of the Postgraduate Diploma in Sustainable Energy. • Capping of Marks at a Supplemental Examination: In determining aggregation and the award of a Distinction, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.
<p>Repeat Year Examinations:</p>	<p>Marks will be capped in a repeat year examination. Candidates will not be eligible for the award of Distinction in a Repeat Year.</p>

MEngSc DEGREE EXAMINATION IN INFORMATION TECHNOLOGY IN ARCHITECTURE, ENGINEERING AND CONSTRUCTION.

Time:	<p>Written examinations will be held in Spring and Summer. All modules will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard in Part I at the Winter and Summer Examination Boards, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.</p> <p>Marks for Part II will be submitted to a Winter Examination Board with no Supplemental Examination.</p>
Modules:	<p>Part I: Candidates take modules to the value of 60 credits, as detailed at: http://www.ucc.ie/calendar/postgraduate/Masters/engineering/page07.html</p> <p>Part II: Dissertation CE6031 (30 credits).</p>
Marks Maxima:	<p>100 marks per 5 credit module; 600 marks per 30 credit module. Total Marks – Part I: 1200 marks;</p> <p>Part II: 600 marks.</p>
Distribution of Marks:	<p>Distribution of marks and assessment details for individual modules are contained in the Book of Modules (http://www.ucc.ie/academic/modules/).</p>
Pass Standard (module level):	<p>The pass standard for each taught module in Part I is 40%. The pass standard for the Dissertation (CE6031) is 50%. Special Requirements for individual modules are detailed in the Book of Modules (http://www.ucc.ie/academic/modules/).</p>
Progression to Part II:	<p>A candidate who obtains an average mark of at least 50% across the taught modules in Part I at the First Attempt will be permitted to proceed to Part II of the programme, the Dissertation CE6031.</p>
Degree Award:	<p>A candidate, who has progressed to Part II, must achieve a pass mark of 40% in each individual module and a mark of at least 50% in CE6031 to be eligible for the award of the MEngSc Degree in IT in AEC</p>
Exit Award Postgraduate Diploma in IT in AEC.:	<p>A candidate, who passes Part I but does not achieve an average mark of at least 50% across the taught modules at the First Attempt will be eligible for the award of a Postgraduate Diploma in IT in AEC.</p> <p>A candidate, who passes the Part I examination and does not wish to proceed to Part II, may opt to be conferred with a Postgraduate Diploma in IT in AEC.</p>
Distinction:	<p>A candidate, who achieves the standard for the award of the MEngSc Degree at the first attempt, is eligible for a Distinction. A Distinction shall be awarded on the aggregate of Parts I and II as follows:</p> <p style="padding-left: 40px;">Distinction: At least 70% (i.e. at least 1260/1800 marks).</p>
Exemptions:	<p>All passed modules carry an exemption which is limited to a period of 5 academic years subsequent to the award of the exemption.</p>
Supplemental	<p>Supplemental Examinations for Semesters 1 and 2 will be held in August</p>

<p>Examinations:</p>	<p>(Autumn).</p> <ul style="list-style-type: none"> • Please refer to the Book of Modules (http://www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules. • A candidate, who has progressed to Part II but has failed to achieve the pass standard in each taught module at the Summer Examination, is required to repeat failed/absent modules at the Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board. • A candidate, who has failed to progress to Part II and has failed to reach the pass standard in each taught module in Part I at the Summer Examination, is permitted to repeat failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board, and will be eligible for the award of the Postgraduate Diploma in IT in AEC. <p>Capping of Marks at a Supplemental Examination: In determining aggregation and the award of a Distinction, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
<p>Repeat Year Examinations:</p>	<p>Marks will be capped in a repeat year examination. Candidates will not be eligible for the award of Distinction in a Repeat Year.</p>

MEngSc DEGREE EXAMINATION IN PHARMACEUTICAL AND BIOPHARMACEUTICAL ENGINEERING	
Time:	Written examinations will be held at the end of each semester. Marks for all modules in Part I will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard in Part I at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board. Note: There is no Supplemental Examination for PE6021. Marks for Part II will be submitted to the next available Examination Board with no Supplemental Examination.
Modules:	Part I: Candidates take modules to the value of 60 credits, as detailed at: http://www.ucc.ie/calendar/postgraduate/Masters/engineering/page08.html Part II: Dissertation PE6021 (30 credits).
Marks Maxima:	100 marks per 5 credit module; 600 marks per 30 credit module. Total Marks – Part I: 1200 marks; Part II: 600 marks.
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the Book of Modules (http://www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each taught module in Part I is 40%. The pass standard for the Dissertation (PE6021) is 50%. Special Requirements for individual modules are detailed in the Book of Modules (http://www.ucc.ie/academic/modules/).
Progression to Part II:	A candidate who obtains an average mark of at least 50% across taught modules to a value of 60 credits at the first attempt in Part I of the programme will be permitted to proceed to Part II of the programme, the Dissertation PE6021.
Degree Award:	A candidate, who has progressed to Part II, must achieve a pass mark of 40% in each individual taught module in Part I and a mark of at least 50% in PE6021 to be eligible for the award of the MEngSc Degree in Pharmaceutical and Biopharmaceutical Engineering.
Distinction:	A candidate, who achieves the standard for the award of the MEngSc Degree at the first attempt, is eligible for a Distinction. A Distinction shall be awarded on the aggregate of Parts I and II as follows: Distinction: At least 70% (i.e. at least 1260/1800 marks).
Exit Award Postgraduate Diploma in Pharmaceutical and Biopharmaceutical Engineering :	A candidate, who passes Part I but does not achieve an average mark of at least 50% across the taught modules, will be eligible for the award of a Postgraduate Diploma in Pharmaceutical and Biopharmaceutical Engineering. A candidate, who passes the Part I examination and does not wish to proceed to Part II, may opt to be conferred with a Postgraduate Diploma in Pharmaceutical and Biopharmaceutical Engineering.
Exemptions:	All passed modules carry an exemption which is limited to a period of 5 academic years subsequent to the award of the exemption.
Supplemental	Supplemental Examinations for Semesters 1 and 2 will be held in August

<p>Examinations:</p>	<p>(Autumn).</p> <ul style="list-style-type: none"> • Please refer to the Book of Modules (http://www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules. <p>Note: There is no Supplemental Examination for PE6021.</p> <ul style="list-style-type: none"> • A candidate, who has progressed to Part II but has failed to achieve the pass standard in each taught module in Part I, is required to repeat failed/absent modules at the Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board. • A candidate, who has failed to progress to Part II and has failed to reach the pass standard in each taught module in Part I at the first attempt, is permitted to repeat failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board, and will be eligible for the award of the Postgraduate Diploma in Pharmaceutical and Biopharmaceutical Engineering. <p>Capping of Marks at a Supplemental Examination: In determining aggregation and the award of a Distinction, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.</p>
<p>Repeat Year Examinations:</p>	<p>Marks will be capped in a repeat examination. Candidates will not be eligible for the award of Distinction where modules are repeated.</p>

MSc in TECHNOLOGY MANAGEMENT DEGREE (Distance Learning)	
Time:	Written Examinations will be held at the end of each Semester, according to the programme calendar. Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Winter Examination Board. For students failing to achieve the pass standard for the year, there will be a Supplemental Examination in Spring with results presented to the Spring Examination Board.
Modules:	Students take 90 credits as follows: http://www.ucc.ie/calendar/postgraduate/Masters/engineering/page06a.html
Marks Maxima:	100 per five credit module, 200 per ten credit module, 600 per thirty credit module. Total Marks: 1800
Distribution of Marks:	Distribution of marks and assessment details (including End of Year Written Examination Profile) for individual modules are contained in the Book of Modules, (www.ucc.ie/academic/modules).
Pass Standard (module level):	The pass standard for each module is 40%. Special Requirements for individual modules, if any, are detailed in the Book of Modules, (www.ucc.ie/academic/modules/).
Pass and Progression Standard (programme level):	To be awarded the degree, students must pass all modules (aggregate of at least 720/1800 marks, i.e. over 40%). Compensation is not allowed.
Honours: (If applicable)	Honours will be awarded on aggregate as follows: <ul style="list-style-type: none"> • <u>First Class Honours</u>: an aggregate of at least 1260/1800 marks (i.e. 70% and above) • <u>Second Class Honours, Grade 1</u>: an aggregate of at least 1080/1800 marks (i.e. 60% and above but less than 70%) • <u>Second Class Honours, Grade 2</u>: an aggregate of at least 900/1800 marks (i.e. 50% and above but less than 60%)
Exemptions:	All passed modules carry an exemption, which is limited to a period of five years from the date a student originally achieved the exemption.
Supplemental Examinations:	Please refer to the Book of Modules (www.ucc.ie/academic/modules) for requirements governing the Supplemental Examination for individual modules. Note: for some modules there is no Supplemental Examination. <ul style="list-style-type: none"> • Students who fail to achieve the pass standard for the year at the Winter Examination must repeat all failed/absent modules at the Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board, or in a Repeat Year (see below). Marks from all passed modules are carried forward to the Supplemental Examination. • The pass/progression rule is then applied to the combination of marks carried forward in passed modules and marks obtained in repeated modules.

	<ul style="list-style-type: none"> • Capping of Marks at a Supplemental Examination: In determining aggregation, progression, and the calculation of honours, the maximum mark that will be taken into account is a pass (40%). The actual mark achieved by the candidate will be recorded on the student record.
<p>Repeat Year Examinations:</p>	<p>Students repeating the year may do so retaining exemptions, if any, and must repeat only the failed/absent modules. In determining aggregation, progression, and the calculation of the award of honours, full marks obtained in modules passed at the Winter Examination in the first attempt year plus capped marks obtained in modules in Supplemental and Repeat Year Examinations are used.</p>

POSTGRADUATE DIPLOMAS

POSTGRADUATE DIPLOMA EXAMINATION IN PHARMACEUTICAL & BIOPHARMACEUTICAL ENGINEERING	
Time:	Written examinations will be held at the end of each semester. Marks for all taught modules will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard at the Summer Examination Board, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates take modules to the value of 60 credits, as detailed at: http://www.ucc.ie/calendar/postgraduate/Masters/engineering/page08.html
Marks Maxima:	100 marks per 5 credit module. Total Marks – : 1200 marks
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the Book of Modules (http://www.ucc.ie/academic/modules/).
Pass Standard (module level):	The pass standard for each taught module is 40%. To pass all modules must be passed individually. Special Requirements for individual modules are detailed in the Book of Modules (http://www.ucc.ie/academic/modules/).
Transfer to the MEngSc in Pharmaceutical & Biopharmaceutical Engineering :	A candidate who, at the first attempt, (i) obtains a pass mark of at least 40% in each taught module, and (ii) obtains an average mark of at least 50% across the first 60 credits worth of taught modules attempted, will be eligible to transfer to Part II of the MEngSc (Pharmaceutical & Biopharmaceutical), the Dissertation PE6021.
Exemptions:	All passed modules carry an exemption which is limited to a period of 5 academic years subsequent to the award of the exemption.
Supplemental Examinations:	Please refer to the Book of Modules (http://www.ucc.ie/academic/modules/) for requirements governing the Autumn Supplemental Examination for individual modules. A candidate who has failed to achieve the pass standard at the Summer Examination is permitted to repeat all failed/absent modules at the Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board, or in a Repeat Year. Marks from all passed modules are carried forward to the Supplemental Examination. Capping of Marks at a Supplemental Examination: In determining aggregation and the award of a Distinction, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student record.
Repeat Year Examinations:	Marks will be capped in a repeat examination. Candidates will not be eligible for the award of Distinction where modules are repeated.

CIT/UCC JOINT MARKS & STANDARDS

Programmes in the CORK CENTRE FOR ARCHITECTURAL EDUCATION



APPLICABILITY AND INTERPRETATION

These are the Marks and Standards jointly adopted by Cork Institute of Technology (CIT) and University College Cork (UCC) governing programmes delivered jointly by CIT and UCC through the Cork Centre for Architectural Education (CCAIE) as listed in Appendix 1. They shall remain in force, as the rules governing the operation of all assessments and examination boards relating to such joint programmes, until such time as they are altered by way of amendment or replacement by formal joint decision of CIT and UCC.

All candidates and examiners are required to familiarise themselves with these Marks and Standards.

The provisions of these Marks and Standards take precedence for the programmes listed in Appendix 1 over any other Marks and Standards of either CIT or UCC.

From time to time, and by agreement between the Academic Council of CIT and the Academic Council of UCC, specific Appeals, Recheck and Mitigation Processes will be designated to apply to the programmes in Appendix 1. For the purposes of these Marks and Standards for the period 1st September 2010 to 31st August 2015 these processes shall be those of University College Cork. For the period 1st September 2015 to 31st August 2018 the processes shall be those of Cork Institute of Technology.

In cases where an Examination Board requests interpretation of these Marks and Standards, the issue shall be referred by the Chairperson of the Board for determination by agreement between the Academic Board of UCC and the Academic Council of CIT. Such determination shall be guided by good practice and the principles of fairness and consistency as operated in UCC, CIT and in higher education generally.

GLOSSARY OF TERMS

Stage: A stage of a programme is a substantial volume of learning, at the conclusion of which an Examination Board makes decisions on progression or awards. For the BSc (Hons) Architecture programme the stage normally corresponds to one academic year. The Master of Architecture programme consists of two stages, Teaching Periods One and Two combined representing the first stage and Teaching Period Three representing the second stage.

GENERAL REGULATIONS GOVERNING CREDIT AND AWARDS

1. Awarding of Credits: Module credits are awarded to a candidate who is registered on an approved module or modules and who has successfully passed the approved module or modules according to the Pass and Progression Rules.

Where a candidate passes a stage according to the Pass/Progression rules, he/she shall be awarded the stage credits specified.

2. Absence from an Examination in a Module: Registration at the beginning of an academic year constitutes entry for the relevant examinations of the stage. All repeat students are required to present for examination in the then current programmes in their relevant subject(s)/module(s).

Evidence of extenuating circumstances (e.g. medical or personal) must be submitted in a timely manner such that it can form part of the deliberations of the Examination Board meeting.

Evidence relating to extenuating circumstances will only be admitted as grounds for an examination appeal if it can be established that it was not possible to submit this evidence for consideration at the relevant Examination Board meeting. Examples would be where the individual was unable to submit evidence due to hospitalisation, or where the circumstances were not known at the time of the assessment, for example a medical condition diagnosed after the assessment.

A candidate who fails to achieve the pass standard for the stage is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board. The candidate must register for the supplemental examination to re-sit failed modules.

Where a module is assessed wholly by terminal written examination and a student fails to present for the Examination, a judgement of "Presented No Work" is recorded for that module. Where a module is examined by a combination of Continuous Assessment and terminal Written Examination, and the student does not present for the terminal Written Examination, the mark recorded for the module is then based on the mark for Continuous Assessment and a zero mark for the written component, using the rules for obtaining the overall module mark which pertain to the module in question. Where a module is assessed wholly by Continuous Assessment, and the student presents no work, a "Presented No Work" judgement is recorded. "Presented No Work" is counted as an attempt at an examination.

3. Application for Waiver of Capping of Marks: The requirement for the **capping of marks** at 40% for marks awarded for a module at a Supplemental Examination or, where applicable, Repeat Year Examination may be waived under certain specified circumstances if approved under the terms of the mitigation processes in force.

4. Progression Rule: Every stage of the programme must normally be passed before progression to a subsequent stage. Progression while carrying forward a failed module will not normally be permitted. In exceptional circumstances the Examination Board may recommend progression for a candidate who has not fulfilled this requirement. Such recommendation shall be formally and specifically recorded on the Broadsheet of Results and shall be subject to ratification in the same manner as the examination results. In no case shall an award be made until all required modules have been passed.

5. Examination Boards: An Examination Board will be convened for each stage of a programme. This Board will consider a consolidated Broadsheet of Results and will recommend marks for individual modules and make recommendations on progression and awards for candidates in conformity with these Marks and Standards. The recommendations of Examination Boards are subject to ratification by the Academic Council of CIT and the Academic Council of UCC. The effective date of the Award shall be the date upon which the ratification by both of the Academic Councils is completed.

Composition of the Examination Board:

The membership of the Examination Board shall be as follows:

- Independent Chairperson nominated and agreed by the Registrars of CIT and UCC
- Director and Associate Director of the CCAE, one of whom shall function as Secretary to the Examination Board
- Heads of the relevant Academic Units of CIT and UCC
- The External Examiners
- The Internal Examiners.

An Examination Board may act notwithstanding the absence of one or more members, provided that the Chair of the Board is satisfied that there are sufficient Examiners in attendance to enable the Board to fulfil its duties. The following quorum shall apply: Chairperson, Secretary and three further Board members. An officer of the UCC Examinations Office and an officer of the CIT Examinations Office shall normally be in attendance.

Difference of Opinion at an Examination Board

THE EXAMINATION BOARD SHOULD ATTEMPT TO REACH A CONSENSUS DECISION WITH REGARD TO THE RESULT TO BE AWARDED TO A CANDIDATE. IN CASES OF DIFFERENCE OF OPINION AMONG THE

MEMBERS PRESENT AT AN EXAMINATION BOARD, THE RESULT SHALL BE DECIDED BY MAJORITY VOTE OF MEMBERS PRESENT AT THE MEETING. IN THE EVENT OF A TIE THE CHAIR WILL HAVE A SECOND (I.E. CASTING) VOTE. A BOARD MEMBER WHO CONTINUES TO DISSENT AT THE MEETING, MAY CHOOSE TO HAVE A DISSENTING OPINION RECORDED ON THE BROADSHEET OF RESULTS.

Any dissenting opinion by an External Examiner recorded upon the Broadsheet of Results shall be referred for determination by agreement between the Academic Council of CIT and the Academic Council of UCC.

Confidentiality and Issuing of Results:

The proceedings and deliberations of Examination Boards are strictly confidential; under no circumstance, except as required for official reporting purposes, shall any person attending a meeting of a Board disclose to any third party a decision of the Board or any document, information or opinion considered, conveyed or expressed at the meeting.

Following the Examination Board meeting the CCAE may issue provisional results to the candidates pending approval of those results at the Academic Council of CIT and the Academic Council of UCC.

The CCAE may not issue provisional results in the case of any candidate whose result is in dispute, indeterminate, or whose entry is regarded as provisional in accordance with the Regulations of these Marks and Standards or otherwise.

6. Internal and External Examiners

Internal Examiners:

Staff who are responsible for assessment of all or part of a module shall be deemed to be Internal Examiners for the module.

Internal Examiners shall ensure that they are familiar with all relevant regulations.

Internal Examiners shall declare to the Director of CCAE at the start of the semester any interest, relationship or other circumstance which might constitute a conflict of interest or which might be seen as inappropriate to the role of Examiner.

The role of Internal Examiners shall be as follows:

- to prepare appropriate assessment material, which reflects internationally established and accepted academic practice;
- to consult with the appropriate External Examiner on the drafting of assessment material.
- to take due account of all comments and amendments proposed by the External Examiner(s);
- to indicate clearly the marks awarded to each assessment or examination question, or part thereof, attempted by the candidate on all assessment material;
- to contribute to deliberations of appropriate Examination Boards.

External Examiners

External Examiners shall be independent, expert and academically qualified for their role as per the CCAE guidelines on the appointment of External Examiners adopted from time to time by the Academic Council

of CIT and the Academic Council of UCC. External Examiners are recommended by the CCAE taking account of these guidelines and are appointed in accordance with their respective procedures.

The most important duty of External Examiners shall be to ensure the adequacy of standards of assessment and to ensure maintenance of standards as far as is reasonably practicable from year to year, having regard to the outcomes of the programme as set down in the approved Programme Descriptor, and the appropriate national and international standards that prevail in the discipline. External Examiners shall attempt to ensure that assessments conform to the requirements for fairness and consistency.

Contact with the External Examiner(s) in relation to the level and content of examination papers or other assessment materials shall normally be through the Examination Office. The Examination Office shall communicate all comments and suggestions received from the External Examiner(s) to the relevant Internal Examiner and to the Director and Associate Director of CCAE.

External Examiners shall ensure that they are familiar with the appropriate regulations and Marks and Standards.

External Examiners shall declare at the earliest possible opportunity any interest, relationship or other circumstance which might constitute a conflict of interest, or which might be seen as inappropriate for the role of External Examiner.

External Examiners are required to visit the CCAE at least once in each stage. Normally, this visit will take place at the time of determination of results. External Examiners should endeavour to discharge by correspondence or other secure means as much of their work (including finalisation of examination papers and/or other assessment material) as it is feasible to perform in this manner.

External Examiners should have the opportunity to review a representative sample of assessment material presented by candidates. The sample, which should be drawn on a basis agreed between the Internal and External Examiner(s), should include sufficient material to enable the External Examiner(s) to form a judgement as to the appropriateness of the marking.

The role of the External Examiners shall be as follows:

- to review the assessment material and have the right to comment and propose amendments as they deem appropriate;
- to review borderline cases when they consider this to be necessary and appropriate;
- to interview candidates when they consider this to be necessary and appropriate;
- to seek to agree with the Internal Examiner(s), where possible the final mark awarded to each candidate; in this regard the External Examiner may review sample marked assessment material including theses and exhibitions of candidates' work as required;
- to contribute to deliberations of appropriate formal Examination Boards; and
- to submit to the CCAE a full report on the programme(s) or module(s) to which they are appointed.

The report shall be submitted in accordance with a standard Report Form.

7. Borderline Cases: In discharging its responsibilities an Examination Board may exercise discretion in marginal cases by minor modification of marks.

Such modification of marks should be made if a candidate's result is borderline in terms of

pass/progression or class of honours, having due regard to a borderline band of 1.5%.

Certification of illness, trauma or disability, if not already considered in the examination process should be considered at the Examination Board meeting.

The Examination Board shall allow for full and frank discussion of all borderline cases before a final decision is made. That final decision shall be based on the cumulative evidence presented rather than on the view of any one Internal or External Examiner. The Examinations Board in the consideration of borderline cases will have regard to a holistic evaluation of the candidate's performance across all the modules presented by the candidate. The Secretary of the Board shall note on the Broadsheet the reason for such decisions.

8. Appeals: A candidate who is dissatisfied with the decision of the Examination Board may initiate an Examination Appeal. Examination Appeals from students registered on the programmes listed in Appendix 1 must be made through the appeals system in force. For the purposes of these Marks and Standards for the period 1st September 2010 to 31st August 2015 these processes shall be those of University College Cork. For the period 1st September 2015 to 31st August 2018 the processes shall be those of Cork Institute of Technology. The decisions of the Appeals body shall be final.

9. Module Results: Module results shall be recorded on the Cork Centre for Architectural Education Broadsheet of Results either as a number or in accordance with the following table:

Module result code	Result	Elaboration of result	Effect on sitting number
I	deferral	result deferred due to exceptional circumstances	is not counted as an attempt
X	exempt	candidate is exempt on the basis of prior learning	is counted as an attempt
PNW	presented no work	candidate did not present work at any assessment (including written examination(s)).	is counted as an attempt
WD	withdrew	candidate withdrew before week 6 of the semester and formally notified the institute	is not counted as an attempt
WH	withheld	candidate's result(s) withheld	Examination board to issue recommendation

10. Appendices:

Appendix 1 (Programmes to which these Marks and Standards Apply) and Appendix 2 (Stage Regulations) form part of these Marks and Standards.

APPENDIX 1: Programmes to which these Marks and Standards Apply

BSC (HONS) in ARCHITECTURE

Master of ARCHITECTURE

APPENDIX 2: REGULATIONS FOR UNDERGRADUATE PROGRAMMES

BSC (HONS) in ARCHITECTURE	
FIRST YEAR EXAMINATION	
Time:	Written Examinations will be held in the Summer. Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard for the stage, there will be a Supplemental Examination following which an Examination Board will be convened.
Modules:	Candidates are examined in modules to a value of 60 credits as shown in the Approved Programme Schedule.
Stage Credits:	The First Year / Stage One of the BSc (Hons) in Architecture consists of 60 credits.
Marks Maxima:	100 per 5 credit module; 200 per ten credit module; 300 per 15 credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the Cork Centre for Architectural Education Book of Modules.
Pass Standard (at module level):	The pass standard for each module is 40%.
Pass and Progression Standard (at programme level):	To pass First Year and progress to Second Year, where a candidate is not availing of exemption(s), a candidate must obtain a pass in each module or pass the stage by compensation. In the case of a candidate availing of exemption(s) in any module(s), either on the basis of recognition of prior learning/previous cognate study or through having passed module(s) at a previous sitting of the examination, the candidate must achieve the pass standard of 40% in each examined module in order to pass and progress.
Compensation:	Where a stage consists of 60 credits, a candidate shall be entitled to pass the stage by compensation provided: <ul style="list-style-type: none">– a pass mark has been obtained in modules comprising a minimum of 55 of the 60 credits presented;– the module proposed for compensation is not a design studio module;– the mark in the compensated module is not more than 5% below the pass mark;– the surplus of the marks in the passed modules is at least double the deficiency in the failed module. The surplus is to be weighted by the credit value of the module; and

	<p>– all of the module marks presented are first attempt marks.</p> <p>A candidate who avails of compensation as described above will be awarded the 60 credits for the stage. Availing of compensation to pass a stage has no implication for the classification awarded. The student transcript or Diploma Supplement shall show the actual module marks achieved.</p>
Honours:	<p>A candidate who achieves the pass and progression standard is eligible for honours on the basis of actual marks achieved at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on recognition of prior learning / previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class (H1)</u>: At least 70% (i.e. at least 840/1200 marks) • <u>Second Class, Grade I (H2.1)</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks). • <u>Second Class, Grade II (H2.2)</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	All passed modules carry exemptions for five academic years.
Supplemental Examination:	<p>A candidate who fails to achieve the pass standard for the year at the Summer Examination is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student transcript or Diploma Supplement.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the five year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(i) A student may retain exemptions, if any, and repeat all failed/absent modules. In order to pass and progress, a candidate must achieve a pass mark in each examined module. A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Summer Examination of the first attempt year and capped marks at Supplemental and Repeat Year Examinations, with any exempted modules, based on recognition of prior learning / previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination of a Repeat Year.</p> <p>(ii) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a</p>

	result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).
Five Year Rule:	Candidates must pass the stage/year and progress to Stage Two/Second Year within five academic years of the date of first registration for First Year, otherwise they cannot continue in the programme.

SECOND YEAR EXAMINATION	
Time:	Written Examinations will be held in the Summer. Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard for the stage, there will be a Supplemental Examination following which an Examination Board will be convened.
Modules:	Candidates are examined in modules to a value of 60 credits as shown in the Approved Programme Schedule.
Stage Credits:	The Second Year / Stage Two of the BSc (Hons) in Architecture consists of 60 credits.
Marks Maxima:	100 per 5 credit module; 200 per ten credit module; 300 per 15 credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the Cork Centre for Architectural Education Book of Modules.
Pass Standard (at module level):	The pass standard for each module is 40%.
Pass and Progression Standard (at programme level):	To pass Second Year and progress to Third Year, where a candidate is not availing of exemption(s), a candidate must obtain a pass in each module or pass the stage by compensation. In the case of a candidate availing of exemption(s) in any module(s), either on the basis of recognition of prior learning/previous cognate study or through having passed module(s) at a previous sitting of the examination, the candidate must achieve the pass standard of 40% in each examined module in order to pass and progress.
Compensation:	<p>Where a stage consists of 60 credits, a candidate shall be entitled to pass the stage by compensation provided:</p> <ul style="list-style-type: none"> – a pass mark has been obtained in modules comprising a minimum of 55 of the 60 credits presented; – the module proposed for compensation is not a design studio module; – the mark in the compensated module is not more than 5% below the pass mark; – the surplus of the marks in the passed modules is at least double the deficiency in the failed module. The surplus is to be weighted by the credit value of the module; and – all of the module marks presented are first attempt marks. <p>A candidate who avails of compensation as described above will be awarded the 60 credits for the stage. Availing of compensation to pass a stage has no implication for the classification awarded. The student transcript or Diploma Supplement shall show the actual module marks achieved.</p>
Honours:	A candidate who achieves the pass and progression standard is eligible for honours on the basis of actual marks achieved at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules,

	<p>based on recognition of prior learning / previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class (H1)</u>: At least 70% (i.e. at least 840/1200 marks) • <u>Second Class, Grade I (H2.1)</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks). • <u>Second Class, Grade II (H2.2)</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	All passed modules carry exemptions for five academic years.
Supplemental Examination:	<p>A candidate who fails to achieve the pass standard for the year at the Summer Examination is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student transcript or Diploma Supplement.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the five year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits her/him.</p> <p>(1) A student may retain exemptions, if any, and repeat all failed/absent modules. In order to pass and progress, a candidate must achieve a pass mark in each examined module. A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Summer Examination of the first attempt year and capped marks at Supplemental and Repeat Year Examinations, with any exempted modules, based on recognition of prior learning / previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination of a Repeat Year.</p> <p>(2) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
Five Year Rule:	Candidates must pass the stage/year and progress to Stage Three/Third Year within five academic years of the date of first registration for Second Year, otherwise they cannot continue in the programme.

THIRD YEAR EXAMINATION	
Time:	Written Examinations will be held in the Summer. Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard for the stage, there will be a Supplemental Examination following which an Examination Board will be convened.
Modules:	Candidates are examined in modules to a value of 60 credits as shown in the Approved Programme Schedule.
Stage Credits:	The Third Year / Stage Three of the BSc (Hons) in Architecture consists of 60 credits.
Marks Maxima:	100 per 5 credit module; 200 per ten credit module; 300 per 15 credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the Cork Centre for Architectural Education Book of Modules.
Pass Standard (at module level):	The pass standard for each module is 40%.
Pass and Progression Standard (at programme level):	To pass Third Year and progress to Fourth Year, where a candidate is not availing of exemption(s), a candidate must obtain a pass in each module or pass the stage by compensation. In the case of a candidate availing of exemption(s) in any module(s), either on the basis of recognition of prior learning/previous cognate study or through having passed module(s) at a previous sitting of the examination, the candidate must achieve the pass standard of 40% in each examined module in order to pass and progress.
Compensation:	<p>Where a stage consists of 60 credits, a candidate shall be entitled to pass the stage by compensation provided:</p> <ul style="list-style-type: none"> – a pass mark has been obtained in modules comprising a minimum of 55 of the 60 credits presented; – the module proposed for compensation is not a design studio module; – the mark in the compensated module is not more than 5% below the pass mark; – the surplus of the marks in the passed modules is at least double the deficiency in the failed module. The surplus is to be weighted by the credit value of the module; and – all of the module marks presented are first attempt marks. <p>A candidate who avails of compensation as described above will be awarded the 60 credits for the stage. Availing of compensation to pass a stage has no implication for the classification awarded. The student transcript or Diploma Supplement shall show the actual module marks achieved.</p>
Honours:	A candidate who achieves the pass and progression standard is eligible for honours on the basis of actual marks achieved at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules,

	<p>based on recognition of prior learning / previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class (H1)</u>: At least 70% (i.e. at least 840/1200 marks) • <u>Second Class, Grade I (H2.1)</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200 marks). • <u>Second Class, Grade II (H2.2)</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	All passed modules carry exemptions for five academic years.
Supplemental Examinations:	<p>A candidate who fails to achieve the pass standard for the year at the Summer Examination is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student transcript or Diploma Supplement.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the five year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>(i) A student may retain exemptions, if any, and repeat all failed/absent modules. In order to pass and progress, a candidate must achieve a pass mark in each examined module. A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Summer Examination of the first attempt year and capped marks at Supplemental and Repeat Year Examinations, with any exempted modules, based on recognition of prior learning / previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination of a Repeat Year.</p> <p>(ii) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
Five Year Rule:	Candidates must pass the stage/year and progress to the Final Degree Stage/Fourth Year within five academic years of the date of first registration for Third Year, otherwise they cannot continue in the programme.

BSC (HONS) DEGREE EXAMINATION

Time:	Written Examinations will be held in the Summer. Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard for the stage, there will be a Supplemental Examination following which an Examination Board will be convened.
Modules:	Candidates are examined in modules to a value of 60 credits as shown in the Approved Programme Schedule.
Stage Credits:	The Fourth Year/Final Degree Stage of the BSc (Hons) in Architecture consists of 60 credits.
Marks Maxima:	100 per five credit module; 200 per ten credit module; 300 per fifteen credit module. Total Marks: 1200.
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the Cork Centre for Architectural Education Book of Modules.
Pass Standard (at module level):	The pass standard for each module is 40%.
Pass and Progression Standard (at programme level):	To pass Fourth Year, where a candidate is not availing of exemption(s), a candidate must obtain a pass in each module or pass the stage by compensation. In the case of a candidate availing of exemption(s) in any module(s), either on the basis of recognition of prior learning/previous cognate study or through having passed module(s) at a previous sitting of the examination, the candidate must achieve the pass standard of 40% in each examined module in order to pass and progress.
Compensation:	<p>Where a stage consists of 60 credits, a candidate shall be entitled to pass the stage by compensation provided:</p> <ul style="list-style-type: none">– a pass mark has been obtained in modules comprising a minimum of 55 of the 60 credits presented;– the module proposed for compensation is not a design studio module;– the mark in the compensated module is not more than 5% below the pass mark;– the surplus of the marks in the passed modules is at least double the deficiency in the failed module. The surplus is to be weighted by the credit value of the module; and– all of the module marks presented are first attempt marks. <p>A candidate who avails of compensation as described above will be awarded the 60 credits for the stage. Availing of compensation to pass a stage has no implication for the classification awarded. The student transcript or Diploma Supplement shall show the actual module marks achieved.</p>
Honours:	A candidate who achieves the pass and progression standard is eligible for honours on the basis of actual marks achieved at the Summer Examination and capped marks at the Autumn Supplemental Examination, with any exempted modules, based on recognition of prior learning/previous cognate study, deemed to have

	<p>been passed at a mark of 40% for the purposes of determining honours.</p> <p>First and Second Class Honours shall be awarded as follows:</p> <ul style="list-style-type: none"> • <u>First Class/H1</u>: At least 70% (i.e. at least 840/1200 marks) • <u>Second Class, Grade I (2:1)</u>: At least 60% but less than 70% (i.e. at least 720/1200 marks but less than 840/1200marks). • <u>Second Class, Grade II (2:2)</u>: At least 50% but less than 60% (i.e. at least 600/1200 marks but less than 720/1200 marks).
Exemptions:	All passed modules carry exemptions for five academic years.
Supplemental Examination:	<p>A candidate who fails to achieve the pass standard for the year at the Summer Examination is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: In determining honours, the maximum mark that will be taken into account in passed repeated module(s) is 40%. The actual mark achieved by the candidate will be recorded on the student transcript or Diploma Supplement.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the five year rule, a student is permitted to repeat the year under one of the following mechanisms, the individual repeat student choosing whichever mechanism best suits him/her.</p> <p>Note: Final Year students wishing to repeat the year with a view to improving their degree result may do so only if they have not been conferred.</p> <p>(i) A student may retain exemptions, if any, and repeat all failed/absent modules. In order to pass and progress, a candidate must achieve a pass mark in each examined module. A candidate, who achieves the pass and progression standard, is eligible for honours on the basis of actual marks achieved at the Summer Examination of the first attempt year and capped marks at Supplemental and Repeat Year Examinations, with any exempted modules, based on recognition of prior learning / previous cognate study, deemed to have been passed at a mark of 40% for the purposes of determining honours.</p> <p>Note: For students selecting different modules not previously taken, there are no restrictions on the marks awarded for those modules at the Summer Examination of a Repeat Year.</p> <p>(ii) A student may repeat the year taking the full 60 credits. In determining pass, progression and honours, the rules applicable to a first attempt year will apply.</p> <p>In the case of a candidate choosing option (2) and failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass and progression standard for the year on the combined results from the repeat and earlier year(s).</p>
Five Year Rule:	Candidates must pass the Honours Stage/Fourth Year within five academic years of the date of first registration for Fourth Year, otherwise they cannot continue in the programme.

STAGE REGULATIONS FOR POSTGRADUATE CERTIFICATE

POSTGRADUATE CERTIFICATE IN ARCHITECTURAL PROFESSIONAL PRACTICE AND EXPERIENCE	
Time:	Written Examinations will be held in Summer. Marks for all modules, including those wholly assessed by Continuous Assessment, will be presented to the Summer Examination Board. For candidates failing to achieve the pass standard for the year at the Summer Examination, there will be a Supplemental Examination in Autumn with an Autumn Examination Board.
Modules:	Candidates are examined in modules to a value of 30 credits as shown in the Approved Programme Schedule.
Stage Credits:	The Postgraduate Certificate Stage consists of 30 credits.
Marks Maxima:	100 per 5 credit module; 200 per ten credit module: Total Marks: 600
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the Cork Centre for Architectural Education Book of Modules.
Pass Standard (at module level):	The pass standard for each module is 50%. Special Requirements for individual modules, if any, are detailed in the Cork Centre for Architectural Education Book of Modules.
Pass Standard (at programme level):	To pass and qualify for the award, where a candidate is not availing of exemption(s), a candidate must obtain a pass in each module. In the case of a candidate availing of exemption(s) in any module(s), either on the basis of recognition of prior learning / previous cognate study or through having passed module(s) at a previous sitting of the examination, the candidate must achieve the pass standard of 50% in each examined module in order to pass and progress.
Exemptions:	All passed modules carry an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Supplemental Examination:	<p>Please refer to the Cork Centre for Architectural Education Book of Modules for requirements governing the Autumn Supplemental Examination for individual modules.</p> <p>Note: For some modules there is no Autumn Supplemental Examination.</p> <p>A candidate who fails to achieve the pass standard for the year at the Summer Examination is permitted to repeat all failed/absent modules at the Autumn Supplemental Examination, where there is provision to do so and if not disallowed by the Examination Board.</p> <p>Capping of Marks at a Supplemental Examination: The maximum mark that will be taken into account in passed repeated module(s) is 50%. The actual mark achieved by the candidate will be recorded on the student transcript or Diploma Supplement.</p>
Repeat Year Examinations:	<p>Unless debarred from so doing under the five year rule, a student is permitted to repeat the year under the following mechanism:</p> <p>A student may repeat the year taking the full 30 credits. In determining pass,</p>

	the rules applicable to the first attempt year will apply. In the case of a candidate failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass standard for the year on the combined results from the repeat and earlier year(s).
Five Year Rule:	Candidates must pass the Postgraduate Certificate Stage within five academic years of the date of first registration for the Postgraduate Certificate, otherwise they cannot continue in the programme.

MASTER OF ARCHITECTURE	
Time:	Examinations will be held at the end of the Second Semester/Teaching Period Two, and at the end of the third Semester/Teaching Period Three. The second of these examination boards will also constitute the Awards Board. For candidates failing to achieve the pass standard at the Board at the end of the Second Semester/Teaching Period Two, there will be a Supplemental Examination at the end of the Third Semester/Teaching Period Three in the same year, or at the end of the Second Semester/Teaching Period Two in the following year. For candidates failing to achieve the pass standard at the Board at the end of the Third Semester/Teaching Period Three, there will be a Supplemental Examination at the end of the Third Semester/Teaching Period Three in the following year.
Modules:	Candidates are examined in modules to a value of 60 credits at Second Semester/Teaching Period Two as shown in the Approved Programme Schedule. Candidates are examined in modules to a value of 30 credits at Third Semester/Teaching Period Three as shown in the Approved Programme Schedule.
Stage Credits:	The First Semester/Teaching Period One and the Second Semester/Teaching Period Two together consist of 60 credits. The Third Semester/Teaching Period Three consists of 30 credits.
Marks Maxima:	200 per ten credit module; 300 per 15 credit module; 400 per 20 credit module; 600 per 30 credit module
Distribution of Marks:	Distribution of marks and assessment details for individual modules are contained in the Cork Centre for Architectural Education Book of Modules.
Pass Standard (module level):	The pass standard for each module is 50%. Special Requirements for individual modules, if any, are detailed in the Cork Centre for Architectural Education Book of Modules.
Pass Standard (programme level):	To pass and qualify for the award, where a candidate is not availing of exemption(s), a candidate must obtain a pass in each module. In the case of a candidate availing of exemption(s) in any module(s), either on the basis of recognition of prior learning/previous cognate study or through having passed module(s) at a previous sitting of the examination, the candidate must achieve the pass standard of 50% in each examined module.
Exemptions:	All passed modules carry an exemption, which is limited to a period of five academic years subsequent to the award of the exemption.
Supplemental Examination:	Please refer to the Cork Centre for Architectural Education Book of Modules for requirements governing Supplemental Examination for individual modules if these are available. A candidate who fails to achieve the pass standard at the Examination at the end of the Second Semester/Teaching Period Two is permitted to repeat modules the following year, or re-submit at the end of the Third Semester/Teaching Period Three, where there is provision to do so and if not disallowed by the Examination Board.

	Capping of Marks at a Supplemental Examination: The maximum mark that will be taken into account in passed repeated module(s) is 50%. The actual mark achieved by the candidate will be recorded on the student transcript or Diploma Supplement.
Repeat Year Examinations:	<p>Unless debarred from so doing under the five year rule, a student is permitted to repeat the year under the following mechanism:</p> <p>A student may repeat the year taking the full 90 credits. In determining pass, the rules applicable to the first attempt year will apply. In the case of a candidate failing the repeat year as a result of failing module(s) already passed in a previous year, a pass for the year will be awarded by the Examination Board, provided the candidate achieves the pass standard for the year on the combined results from the repeat and earlier year(s).</p>
Five Year Rule:	Candidates must pass Teaching Periods One, Two and Three within five academic years of the date of first registration for the Master of Architecture, otherwise they cannot continue in the programme.
Honours:	A Distinction will be awarded to students obtaining at least 70% of the total available marks of the 90 credits (Parts I and II) in the Masters programme (i.e. at least 1260/1800 marks).

RESEARCH DEGREES

PHD (ENGINEERING SCIENCE) STREAM1	
Time	The marks for all modules will be presented to the Autumn Examination Board. Failed/absent modules may be re-taken in the next academic year with marks presented to the next meeting of the Examination Board.
Modules	Students taking the PhD Engineering Science (Stream 1) take taught modules to the value of 30 ECTS, as defined in the Calendar, and undertake research work to a minimum value of 240 ECTS over the duration of their PhD.
Marks Maxima	As defined in the book of modules.
Pass Standard (module level)	The pass standard for each module is provided in the module description in the UCC Book of Modules .
Distribution of Marks	Assessment details for individual modules are contained in the Book of Modules .
Pass and Progression Standard	<p>To progress from one academic year to the next, a student must demonstrate satisfactory progress in their research, as documented by progress reviews presented to the student's thesis committee. The Tyndall Graduate Student Supervision Procedure defines requirements for a student's progress review panel as well as requirements for each progress review period.</p> <p>Students are required to have achieved a pass standard in modules to the value of 30 credits prior to submission of the PhD Thesis</p>
Supplemental Examinations	Students failing to achieve the pass standard in a taught module may retake the module in the next academic year or take a different module to satisfy programme requirements.

PHD ENGINEERING SCIENCE STREAM 2

Time	The marks for all modules will be presented to the Autumn Examination Board
Modules	Students taking the PhD in Engineering Science (Stream 2) and Postgraduate Certificate in Innovation, Commercialisation and Entrepreneurship take taught modules to the value of 55 credits as defined in the Calendar and undertake research work to the value of 305 credits over the 4 years duration of their PhD.
Marks Maxima	As defined in the Book of Modules .
Pass Standard (module level)	The pass standard for each module is as defined in the Book of Modules .
Distribution of Marks	Assessment details for individual modules are contained in the Book of Modules .
Pass and Progression Standard	<p>To progress from one academic year to the next, a student must demonstrate satisfactory progress in their research, as documented by progress reviews presented to the student's thesis committee. The Tyndall Graduate Student Supervision Procedure defines requirements for a student's progress review panel as well as requirements for each progress review period.</p> <p>Students are required to have achieved a pass standard in modules to the value of 55 credits prior to submission of the PhD Thesis</p> <p>Postgraduate Certificate in Innovation, Commercialisation and Entrepreneurship</p> <p>Students who have successfully completed and passed taught modules to the value of 30 credits will be awarded the Postgraduate Certificate in Innovation, Commercialisation and Entrepreneurship</p>
Supplemental Examinations	Students failing to achieve the pass standard in a taught module may retake the module in the next academic year or take a different module to satisfy programme requirements.

