Programme Regulations: Academic Year 2021/2022

Joint Degree Programme between Singapore Institute of Technology (SIT) and Newcastle University (NU) leading to a Bachelor of Engineering with Honours in Electrical Power Engineering

Programme Code: 1412U

New Students 2021/2022 (AY2021/2022 cohort and onwards)

1. The programme consists of 180 credits. One credit at SIT is equivalent to two credits at Newcastle University.

2. The programme is taught over nine trimesters.

3. On successful completion of the programme students will receive a joint award from Newcastle University and Singapore Institute of Technology.

4. The joint programme is assessed on an A-F letter grade and associated 5.0 - 0 grade point scale.

5. A D Grade with corresponding grade point of 1.0 is a pass grade.

6. Students have a 5-year maximum candidature to complete their programme. Students will have a maximum of one re-sit for examinations/re-submission for continuous assessment and one re-module attempt per module, unless a successful Personal Extenuating Circumstances (PEC) application is made.

7. Students should attain at least a 2.0 Cumulative GPA (CGPA) after each trimester in order to maintain good academic standing.

   After each study trimester and/or consecutive trimester, the joint Board of Examiners will track the academic standing of students with CGPA < 2.0 and issue the students with the following:

   - Academic Warning – in any study trimester, CGPA < 2.0
   - Academic Probation – in the next consecutive study trimester, CGPA < 2.0
   - Academic Termination – in the 3rd consecutive study trimester, CGPA < 2.0

8. Students obtaining an F grade or grade point of 0 in any module will be entitled to one resit/re-submission as of right.

   If the failed module is a pre-requisite for a higher-level module, the student will not be able to take the higher-level module until the pre-requisite of the previous module has been met.

   If the student fails the re-sit, a single re-module attempt will be offered at the next available opportunity.

9. Students obtaining an F grade undertaking a re-sit/re-submission attempt will have their grade point capped at 1.00 for the calculation of the CGPA

10. Students obtaining a D+/D or F grade have the option to undertake a re-module attempt and the grade point will be capped at 2.00 for the calculation of the CGPA.

For students who have a number of D+/D/F grades the Board of Examiners should see their complete profile for the academic year to ensure that the Board has the full information to allow them to make an informed decision on whether or not to allow progression to the next trimester or require the student to pause their studies to improve their situation. This will also allow the Board to see where students have used up their one single re-sit and one single re-module attempt after which they will be unable to progress on the programme.

Current students who commenced study in 2019/2020 or 2020/2021 (AY2020/2021 cohort and before)

The following regulations apply:

1. The programme consists of 180 credits. One credit at SIT is equivalent to two credits at Newcastle University.

2. The programme is taught over nine trimesters.

3. On successful completion of the programme students will receive a joint award from Newcastle University and Singapore Institute of Technology.

4. The joint programme is assessed on an A-F letter grade and associated 5.0 - 0 grade point scale.

5. A D Grade with corresponding grade point of 1.0 is a pass grade.

6. Students have a 5-year maximum candidature to complete their programme. Students will have a maximum of one re-sit for examinations/re-submission for continuous assessment and one re-module attempt per module, unless a successful Personal Extenuating Circumstances (PEC) application is made.

7. Students should attain at least a 2.0 Cumulative GPA (CGPA) after each trimester in order to maintain good academic standing.

   After each study trimester and/or consecutive trimester, the joint Board of Examiners will track the academic standing of students with CGPA < 2.0 and issue the students with the following:

   - Academic Warning – in any study trimester, CGPA < 2.0
   - Academic Probation – in the next consecutive study trimester, CGPA < 2.0
   - Academic Termination – in the 3rd consecutive study trimester, CGPA < 2.0

8. Students obtaining a D+/D/F grade will have a maximum of one re-sit/re-submission and one re-module attempt, unless a successful Personal Extenuating Circumstances (PEC) application has been made.

9. Re-sit and re-module attempts will be capped at grade point 2.00 for the calculation of CGPA.

10. Students are permitted no more than 10 credits at each level (UK FHEQ 4, 5, 6) at Grade D/grade point 1.5 or Grade E/grade point 1.0 for modules undertaken in 2019-20 and 2020-21.

11. The Board of Examiners will consider the complete profile for all students with D/E/F grades from 2019-20 or 2020-21 to ensure that the programme regulations do not materially disadvantage students are applied.

    For students who have a number of D+/D/E/F grades the Board of Examiners should see their complete profile for the academic year to ensure that the Board has the full information to allow them to make an informed decision on whether or not to allow progression to the next trimester or require the student to pause their studies to improve their situation. This will also allow the Board to see where students have used up their one single re-sit and one single re-module attempt after which they will be unable to progress on the programme.

Candidates will normally undertake the following programme of study:

Module Code	Module Title	ECTS Credits	UK FHEQ Level	Year	Trimester	Module Lead
EPE1101	Electricity and Magnetism	10	4	1	1	SIT
EPE1102	Electronics	10	4	1	2	SIT
EPE1103	Circuit Theory	10	4	1	2	SIT
EPE1105	Signals and Communications	10	4	1	1	Joint NU (50%) SIT (50%)
EPE1108	C Programming	5	4	1	2	SIT
EPE1109	Technical Writing and Effective Communication	5	4	1	1	SIT
EPE1110	Engineering Maths I	5	4	1	1	SIT
EPE1111	Engineering Maths II	5	4	1	2	Joint NU (50%) SIT (50%)
EPE2200	Automatic Control	5	5	2	1	NU
EPE2201	Electrical Systems	5	5	2	1	NU
EPE2203	Analogue Electronics	5	5	2	1	NU
EPE2206	Computer Systems and Microprocessors	5	5	2	1	SIT
EPE2202	Digital Electronics	5	5	2	2	NU
EPE2205	Electromagnetic Fields and Waves	5	5	2	2	NU
EPE2207	Project and Career Professional Development	10	5	2	2	Joint NU (75%) SIT (25%)
EPE2208	Signals and Systems	5	5	2	2	NU
EPE2211	Accounting, Finance and Law for Engineers	5	5	2	2	NU
EPE3210	Integrated Work Study Programme	10	6	2	3	Joint NU (40%) SIT (60%)
EPE3210	Integrated Work Study Programme	10	6	3	1,2	Joint NU (40%) SIT (60%)
EPE3200	State Space Analysis and Controller Design	5	6	3	2	NU
EPE3201	Electrical Machines and Generators	5	6	3	2	SIT
EPE3202	Power Electronics	5	6	3	2	NU
EPE3203	Generation Transmission and Distribution	5	6	3	2	NU
EPE3204	Renewable Energy Systems	5	6	3	3	SIT
EPE3206	High Voltage Technology	5	6	3	3	NU
EPE3207	Individual Project	20	6	3	2,3	Joint NU (60%) SIT (40%)

Student will take the Overseas Immersion Programme (OIP) (Non-Credit Bearing) in Year 2, Trimester 3.

1. Assessment methods

Details of the assessment pattern for each module are explained in the module profile.

2. Degree classification

Degree classifications are based upon all 180 credits and the CGPA attained by students at the end of the programme.
All modules contribute the final awards and all years of study contribute equally.

Full details of the classifications and how these are calculated can be found in the SIT-NU Joint Academic Guide.