**RECOMMENDED STUDY PLAN 2016-2018**

**NAME .**

**DEGREE PROGRAM BEng MAJOR Electrical Engineering (BEH-EEL)**

**MINOR Physics**

**First Year**

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| **Teaching period 1** | | | **Teaching period 2** | | |
| Subject Code | Prereq | Comment | Subject Code | Prereq | Comment |
| EG1000 | None |  | EG1011 | PH1005 or Physics & Maths C |  |
| EG1002 | None |  | EG1010 | Maths B |  |
| PH1005 | Maths B |  | EG1012 | Maths B |  |
| MA1000 | Maths B |  | MA1003 | MA1000 |  |

# Second Year

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| **Teaching period 1** | | | **Teaching period 2** | | |
| Subject Code | Prereq | Comment | Subject Code | Prereq | Comment |
| EE2201 | EG1012 |  | CC2511 | EG1002 or CP1300 OR CP1404 |  |
| MA2000 | MA1003 |  | EE2300 | EG1012 |  |
| CC2510 | EG1002 or CP1300 |  | EE3600 | EG1012 and MA2000 |  |
| PH2002 | MA1003 and PH1005 + EG1011 + EG1012 |  | Choose 1 subject from List 1 for this minor |  |  |

# Third Year

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| **Teaching period 1** | | | **Teaching period 2** | | |
| Subject Code | Prereq | Comment | Subject Code | Prereq | Comment |
| PH2019 | PH1005 or EG1012 |  | CC3501 | CC2511 and (CC2510 or CP1300 or CP1404) |  |
| EE3001 | EE2201 |  | Choose 1 subject from List 1 for this minor |  |  |
| EE3300 | EE2300 |  | EE3400 | EE2201 |  |
| EE3700 | EE2201 |  | EG4013 | (EG1000 + EG1002 + EG1010 + EG1011 + EG1012 + MA1000 + MA1003 + (PH1005 or EG1001)) or 36 CP |  |

# Fourth Year

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| **Teaching period 1** | | | **Teaching period 2** | | |
| Subject Code | Prereq | Comment | Subject Code | Prereq | Comment |
| EG4011 | 72 CP |  | EE4500 | EE3600 and EE3300 AND EE3001 and CC3501 |  |
| EE4000 | At least 48 credit pts |  | EE4600 | EE3600 |  |
| Choose 1 subject from List 1 for this minor |  |  | EE4400 | EE3400 |  |
| EG3000 | EG1000 + EG1002 + EG1010 + EG1011 + EG1012 + MA1000 + MA1003 + (PH1005 Or EG1001) Or 36 Credit Points |  | EG4012 | EG4011 |  |

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| **List of Subjects Available to this Minor: List 1**  **SP1 Prereq SP2 Prereq** | | | |
| PH2019 Intro to Electromagnetism Optics & Thermodynamics | PH1005 or EG1012 | PH2240 Atomic & Nuclear Physics    EA3800 | PH2002 + MA1003 |
| PH3008 Stats Mechanics & Transport | PH2019, PH2002 and MA2000 | PH3002 Quantum Physics 2 | MA2000 + PH2002  + PH2019 |
| PH3019 Electromagnetic Phenomena | PH2019 | PH3006 Oceanography & Meteorology | MA2000 + PH2019 |
|  |  | MA2201 Numerical Mathematics | MA1003 |
|  |  | MA3201 Numerical Mathematics | MA2000 + MA2201 |