**RECOMMENDED STUDY PLAN 2016-2018**

**NAME .**

**DEGREE PROGRAM BEng MAJOR Mechanical Engineering (BEH-MEN)**

**MINOR Physics**

# First Year

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Teaching period 1** | | | **Teaching period 2** | | |
| Subject Code | Prereq | Comment | Subject Code | Prereq | Comment |
| CS2001 | EG1011 |  | ME2525 | CS2001 |  |
| MA2000 | MA1003 |  | EG2010 | None |  |
| PH2002 | MA1003 + PH1005 + EG1012 + EG1011 |  | EE3600 | EG1012 + MA2000 |  |
| ME2521 | EG1011 |  | CS3008 | MA2000 + ME2512 |  |

# Third Year

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| --- | --- | --- | --- | --- | --- |
| **Teaching period 1** | | | **Teaching period 2** | | |
| Subject Code | Prereq | Comment | Subject Code | Prereq | Comment |
| Choose 1 subject from List 1 for this minor |  |  | Choose 1 subject from List 1 for this minor |  |  |
| ME3511 | MA2000 and ME2521 |  | ME3525 | ME2525 + EG3001 |  |
| ME3515 | (ME2518 VERSION 3 OR EG2010) AND ME2525 | Avail even yrs | ME3512 | MA2000 |  |
| ME2512 | EG1011 |  | EG4013 | (EG1000 + EG1002+ EG1010 + EG1011 + EG1012 + MA1000 + MA1003 + PH1005) 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 |  | EG4012 | EG4011 |  |
| ME4513 | CS3008 |  | ME4515 | ME2525 |  |
| EG3001 | EG1002 + EG1011 + MA2000 |  | ME4522 | ME2512 |  |
| EG3000 | EG1000 + EG1002 + EG1010 + EG1011 + EG1012 + MA1000 + MA1003 + (PH1005 or EG1001) or 36 CP |  | Choose 1 subject from List 1 for this minor |  |  |

**ME3515 – only offered in even years – will need to swap EG3000 and ME3515 depending on year.**

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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 |