**Engineering**

**Semester 1, 2024 – February intake**

| Unit code | Unit title | Prerequisites |
|---|---|---|
| ENG10001 | Humanitarian Engineering Design Project | |
| COS10025 | Technology in an indigenous Context Project | |
| MTH10012 | Calculus and Applications | |
| ENG20009 | Engineering Technology Inquiry Project | |
| MME40001 | Engineering Management 2 (Pre-requisites Required) | |
| RME30002 | Control and Automation (Pre-requisites Required) | |
| RME40003 | Robot Systems Design (Pre-requisites Required) | |
| CEE20001 | Introduction to Chemical Engineering Design | ENG10001 |
| CEE20005 | Engineering Chemistry | Nil |
| CEE30002 | Reaction Engineering | CEE20005 |
| CEE30004 | Process Heat Transfer | CEE20002 |
| CEE30006 | Process Modelling and Optimisation | CEE20001 & MTH20010 |
| CEE30007 | Process Control & Measurements | MTH20010 |
| CEE40005 | Environmental Engineering | CEE20001 |
| ENG40001 | Final Year Research Project 1 | Completion of 287.5 credit |
| CEE40002* | Process Plant Design 1 | CEE30006 & 275 Credit poin |
| ENG40002* | Final Year Research Project 2 | ENG40001 |
| CEE40004* | Process Plant Design 2 | CEE40002 |
| ENG10002 | Engineering Materials | |
| MTH10013 | Linear Algebra and Applications | |
| MEE20001 | Thermodynamics | |
| MEE20004 | Structural Mechanics | |
| MEE20007 | Design and Product Visualisation Project | |
| MME30001 | Engineering Management 1 | |
| MEE30001 | Manufacturing Engineering | |
| MEE40050 | Introduction to Building Services Engineering | |

**Semester 2, 2024 – September intake**

| Unit code | Unit title | Prerequisites |
|---|---|---|
| ENG10001 | Humanitarian Engineering Design Project | |
| COS10025 | Technology in an indigenous Context Project | |
| MTH10012 | Calculus and Applications | |
| ENG20010 | Engineering Technology Design Project | |
| MME40001 | Engineering Management 2 (100 credit required) | |
| RME30003 | Robotic Control (Pre-requisites Required) | |
| RME40002 | Mechatronics Systems Design (Pre-requisites Required) | |
| CEE20002 | Chemical Engineering Thermodynamics | Nil |
| CEE20003 | Fluid Mechanics C | MTH10012 & MTH10013 |
| CEE20004 | Process Safety and Sustainability | ENG10001 |
| CEE30001 | Transport Phenomena | CEE20002 & CEE20003 |

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|---|---|---|
| CEE30003 | Process Mass Transfer | CEE20002 |
| CEE30005 | Multiphase Processes | CEE20003 |
| ENG40001 | Final Year Research Project 1 | 287.5 credit points |
| CEE40002 | Process Plant Design 1 | CEE30006 & 275 credit poin |
| ENG40002 | Final Year Research Project 2 | ENG40001 |
| CEE40004 | Process Plant Design 2 | CEE40002 |
| ENG10002 | Engineering Materials | |
| MTH10013 | Linear Algebra and Applications | |
| MEE20003 | Fluid Mechanics 1: Forces and Energy | |
| MEE20005 | Materials Processing and Machining | |
| MEE20006 | Engineering Dynamics | |
| MME30001 | Engineering Management 1 | |
| MEE40001 | Heat Transfer | |
| MEE40051 | Heating, Ventilation, and Air Conditioning | MEE20003 and MEE20001 |