

| Module Code | Module Name | Prerequisite /Co -requisite (if any) | CREDITS | Results |
|-------------|---|---|---------|---------|
| Semester 7 | | | | |
| ENG4010 | Industrial Work Experience | NONE | 2 | |
| CVE4002 | Sustainability Engineering | Environmental Engineering(P) Intro to Construction (T) | 3 | |
| ENG4016 | Management for Engineers | Year 2 modules | 3 | |
| CVExxxx | Engineering Emphasis Elective 1 | Year 2 modules | 3 | |
| | University Elective | | 3 | |
| PRJ4029 | Major Project-Research | Year 3 modules | 3 | |
| Semester 8 | | | | |
| CVExxxx | Engineering Emphasis Elective 2 | Year 2 modules | 3 | |
| CVExxxx | Engineering Emphasis Elective 3 | Year 2 modules | 3 | |
| HUM3016 | Social Science/Humanities Elective (Introduction to Business and Professional Ethics) | | 3 | |
| PRJ4030 | Major Project -Design | Year 3 module | 3 | |

F. Y. I.

- **Please speak to your Programme Director/Academic Advisor about electives and to confirm whether there are module changes.**
- **Remember your Academic Advisor is here to assist you in making your academic decisions!**
- **Check the student portal to identify your academic advisor.**



University of Technology, Jamaica Module Selection Guide

School of Engineering



B.Eng. in Civil Engineering Specialization: Structures, Construction, Environmental

Student's Name:

Student's Id #:

Start Date:

Name - Academic Advisor/PL/PD:

To be awarded the B.Eng. Degree in Civil Engineering, students must complete **130 credits** including 12 credits from electives offering.

Contact Info: Mr. Percival Stewart, *Programme Director* → 970-8907
Mrs.Peta-Gaye Bailey, *Administrative Assistant*: Ext. 3688

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|-------------------|---|--------------------------------------|---------|---------|
| Semester 1 | | | | |
| CMP1003 | Computers in Engineering | CXC Maths | 4 | |
| COM1020 | Academic Writing 1 | COM0001 (P) | 3 | |
| CSP1001 | Community Service Project | NONE | 1 | |
| MAT2018 | B Eng. Maths 1-Calculus1 | A Level/CAPE/ PCS Mathematics | 3 | |
| PHS1005 | Engineering Physics 1 | A Level/CAPE/ PCS Physics | 4 | |
| ENG1009 | Engineering Tools | A Level/CAPE/ PCS Physics | 3 | |
| LIB1001 | Library Fundamentals | NONE | 1 | |
| Semester 2 | | | | |
| ENG2008 | Engineering Statics | A Level/CAPE/ PCS Physics | 3 | |
| CHY2021 | General Chemistry I | CXC Maths | 3 | |
| CHY2022 | General Chemistry 2 | CXC Maths | 1 | |
| CVE1002 | Land Surveying | MAT2018 | 3 | |
| COE1005 | CAD 1 | CMP1003 | 3 | |
| MAT2022 | B Eng. Maths2 (Calculus 2) | A Level/CAPE/ PCS Maths | 3 | |
| Semester 3 | | | | |
| MAT3004 | B Eng. Maths 3-Differentials Equations & Applications | A Level/ CAPE/PCS Maths | 3 | |
| ENG1006 | Engineering Seminar | NONE | 1 | |
| COM2014 | Academic Writing 2 | COM1020 | 3 | |
| MEE2004 | Mechanics of Solids | ENG2008/ Statics & Dynamics | 3 | |
| MEE2018 | Engineering Mechanics Lab. 1 | A Level/CAPE PCS Physics | 2 | |
| MEE2003 | Material Science | NONE | 3 | |
| MEE2002 | Engineering Dynamics | ENG2008 (T) | 3 | |

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|-------------------|--|---|---------|---------|
| Semester 4 | | | | |
| CVE2000 | Introduction to Civil Engineering | NONE | 1 | |
| CVE2003 | Civil Engineering Materials | PHS1005 (T) CHY2021 (P) | 3 | |
| CVE2001 | Structural Analysis | MEE2004 (P) ENG2008(P) Statics & Dynamics (P) | 3 | |
| ELE2210 | Electrical Technology | A Level/ CAPE/PCS Physics | 3 | |
| CVE2005 | Engineering Geology | | 2 | |
| STA2023 | Engineering Statistics | NONE | 3 | |
| Semester 5 | | | | |
| MEE3003 | Fluid Mechanics | MAT 2018 | 3 | |
| CVE3008 | Structural Design 1 | CVE2001 (P) | 3 | |
| CVE2004 | Mechanics of Soils | ENG2008 (P)/ Statics & Dynamics (P) | 3 | |
| CVE3004 | Transportation Engineering | STA2002 (P) CVE2003 (T) MAT3004(T) ENG2008 (P) /Statics & Dynamics (P) | 3 | |
| CVE3005 | Introduction to Construction Engineering | CVE2003 (P) CVE2004 (P) | 3 | |
| Semester 6 | | | | |
| CVE3009 | Structural Design 2 | CVE2001 (P) | 3 | |
| CVE3007 | Environmental Engineering | Fluid Mechanics & Thermodynamics (P) | 3 | |
| CVE3006 | Computer Aided Design II | CAD I (P) Trans. Eng. (T) Geotech. Eng. (T) Environ. Eng. (T) Land Survey (P) | 3 | |
| CVE4001 | Water Resources | CVE3007 (P) | 3 | |
| CVE3003 | Geotechnical Engineering | CVE2004 (P) | 3 | |
| ENT3001 | Entrepreneurship | NONE | 3 | |