

BEng (Civil) and BSocSci (Economics) CGPA Computation (wef AY2025/2026 Intake onwards)

| List of courses that contribute towards BEng (Civil Engineering) | | | | AU Load | |
|--|---------------------------------|-------------------|--|-----------------------|--|
| Discipline Requirement | Core | PH1011 | Physics** | 3 | 80 AUs |
| | | MH1810 | Mathematics 1 | 3 | |
| | | MH1811 | Mathematics 2 | 3 | |
| | | FE1073 | Introduction to Engineering & Practices | 1 | |
| | | CV1011 | Mechanics of Materials | 4 | |
| | | CV1012 | Fluid Mechanics | 3 | |
| | | CV1013 | Civil Engineering Materials | 3 | |
| | | CV1014 | Introduction to Computational Thinking | 3 | |
| | | CV1711 | Civil Engineering Drawing | 1 | |
| | | CV2011 | Structural Analysis I | 3 | |
| | | CV2012 | Structural Analysis II | 3 | |
| | | CV2013 | Engineering Geology & Soil Mechanics | 3 | |
| | | CV2014 | Geotechnical Engineering | 3 | |
| | | CV2019 | Matrix Algebra & Computational Methods | 3 | |
| | | CV2020 | Water Resources Engineering | 3 | |
| | | CV2711 | Civil Engineering Laboratory A | 1 | |
| | | CV2712 | Civil Engineering Laboratory B | 1 | |
| | | CV3011 | Reinforced Concrete Design | 3 | |
| | | CV3012 | Steel Design | 3 | |
| | | CV3013 | Foundation Engineering | 3 | |
| | | CV3014 | Transportation Engineering | 3 | |
| | | CV3017 | Environmental Engineering | 2 | |
| | | CV3016 | Construction Technology & Processes | 3 | |
| | | CV4012 | Project Planning & Management | 2 | |
| | | CV4711 | Seminars & Site Visits | 1 | |
| | | CV4911 | Final Year Project | 8 | |
| | | CV4912 | Integrated Design | 3 | |
| | | EG1001 | Engineers in Society | 2 | |
| | | MH1820 | Introduction to Probability and Statistical Methods | 3 | |
| | BDE | HE1001 | Microeconomic I | 3 | 18 AUs 15 AUs from compulsory Year 1 & 2 Economics courses. Remaining 3 AUs from Year 3 and 4 Economics PE that yield the highest CGPA. + 2 AU (PI Option) + 5 AU (PA Option) |
| | | HE1002 | Macroeconomic I | 3 | |
| | | HE2001 | Microeconomic II | 3 | |
| | | HE2002 | Macroeconomic II | 3 | |
| | | HE2003 | Econometrics I | 3 | |
| | | HExxxx | Economics PE Course 1 | 3 | |
| | Major PE | CV4XXX | Core Elective 1 | 3 | 3 AUs |
| Interdisciplinary Collaborative Core | Common Core | CC0001 | Inquiry and Communication in the Interdisciplinary World | 2 | 14 AUs |
| | | CC0003 | Ethics & Civics in a Multi-Cultural World | 2 | |
| | | ML0004 | Career Design & Workplace Readiness in the V.U.C.A World | 2 | |
| | | CC0015 | Health & Wellbeing | 2 | |
| | | CC0006 | Sustainability: Society, Economy & Environment | 3 | |
| | | CC0007 | Science & Technology for Humanity | 3 | |
| | Professional Series | CV0003 | Introduction to Data Science and Artificial Intelligence | 3 | 16 AUs (PI Option)/ 11 AUs (PA Option) |
| | | HW0288 | Engineering Communication | 2 | |
| | | CV3920/ CV3910 | Professional Internship / Professional Attachment | 10/ 5 | |
| | | MLXXXX | Profession Preparation | 1 | |
| | Care, Serve, Learn (CSL) | | Service Learning | 3 | 3 AU |
| Total AUs | | | | 136 / 137* AUs | |

** Students without 'A' level Physics will take PH1012 (FE1012) Physics A (4AU)