



THE UNIVERSITY
of ADELAIDE

Faculty of Engineering, Computer and Mathematical Sciences 2020 Study Plan

Bachelor of Engineering (Honours) (Civil) – All Majors with Bachelor of Mathematical and Computer Sciences (Computer Science Major)

Semester 1 Start

[Bachelor of Engineering \(Honours\) \(Civil\) with Bachelor of Mathematical and Computer Sciences - Computer Science Major](#)

[Bachelor of Engineering \(Honours\) \(Civil\) - Construction Management Major with Bachelor of Mathematical and Computer Sciences – Computer Science Major](#)

[Bachelor of Engineering \(Honours\) \(Civil\) - Geotechnical Engineering Major with Bachelor of Mathematical and Computer Sciences - Computer Science Major](#)

[Bachelor of Engineering \(Honours\) \(Civil\) - Structural Engineering Major with Bachelor of Mathematical and Computer Sciences - Computer Science Major](#)

[Bachelor of Engineering \(Honours\) \(Civil\) - Water Systems Major with Bachelor of Mathematical and Computer Sciences - Computer Science Major](#)

Bachelor of Engineering (Honours) (Civil)
with Bachelor of Mathematical and Computer Sciences - Computer Science Major

| Year 1 | | | | |
|---|---|--|--|--|
| S 1 | # MATHS 1011 Mathematics IA <input type="checkbox"/> | CEME 1004 Engineering Mechanics-Statics <input type="checkbox"/> | ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/> | Level 1 Engineering Elective (see elective table) <input type="checkbox"/> |
| S 2 | MATHS 1012 Mathematics IB <input type="checkbox"/> | CEME 1002 Introduction to Infrastructure <input type="checkbox"/> | ^ ENG 1001 Introduction to Engineering <input type="checkbox"/> | General Elective <input type="checkbox"/> |
| Year 2 | | | | |
| S 1 | MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/> | CEME 2001 Strength of Materials <input type="checkbox"/> | CEME 2003 Civil Engineering Hydraulics <input type="checkbox"/> | CEME 2004 Introduction to Geo-engineering <input type="checkbox"/> |
| S 2 | MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/> | CEME 2002 Structural Mechanics <input type="checkbox"/> | CEME 2005 Transportation Engineering & Surveying <input type="checkbox"/> | COMP SCI 1102 Object Oriented Programming <input type="checkbox"/> |
| Year 3 | | | | |
| S 1 | ENG 3004 Interdisciplinary Professional Practice <input type="checkbox"/> | CEME 3001 Computer Analysis of Structures and Structural Dynamics <input type="checkbox"/> | CEME 3002 Reinforced Concrete Design <input type="checkbox"/> | COMP SCI 2103 Algorithm Design & Data Structures <input type="checkbox"/> |
| S 2 | ENG 3005 Research Method & Project Management <input type="checkbox"/> | CEME 3003 Structural Steel Design <input type="checkbox"/> | CEME 3005 Advanced Civil Engineering Hydraulics <input type="checkbox"/> | CEME 3006 Geotechnical Engineering <input type="checkbox"/> |
| Internship | | | | |
| All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship (6 units) during the course of their studies – see note below elective table. | | | | |
| Year 4 | | | | |
| S 1 | ENG 4001A Research Project Part A <input type="checkbox"/> | CEME 3004 Hydrology for Engineers <input type="checkbox"/> | COMP SCI 2000 Computer Systems <input type="checkbox"/> | General Elective <input type="checkbox"/> |
| S 2 | ENG 4001B Research Project Part B <input type="checkbox"/> | CEME 4050 Design Practice <input type="checkbox"/> | COMP SCI 2201 Algorithm & Data Structure Analysis <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |
| Year 5 | | | | |
| S 1 | Civil Engineering Elective (see elective table) <input type="checkbox"/> | Civil Engineering Elective (see elective table) <input type="checkbox"/> | Civil Engineering Elective (see elective table) <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |
| S 2 | Civil Engineering Elective (see elective table) <input type="checkbox"/> | Civil Engineering Elective (see elective table) <input type="checkbox"/> | COMP SCI 3006 Software Engineering & Project <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |

Electives Table

| CHOOSE FROM THE FOLLOWING LEVEL 1 ENGINEERING ELECTIVES | | | | |
|---|---|---|--|--|
| S1 | CEME 1001 Introduction to Environmental Engineering <input type="checkbox"/> | CHEM ENG 1007 Introduction to Process Engineering <input type="checkbox"/> | ELEC ENG 1101 Electronic Systems <input type="checkbox"/> | |
| S2 | CEME 1003 Resources and Energy in an Circular Economy <input type="checkbox"/> | MECH ENG 1007 Mechanical Engineering <input type="checkbox"/> | | |
| CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES | | | | |
| S1 | CHEM ENG 4051 Water and Wastewater Engineering <input type="checkbox"/> | | | |
| S2 | C&ENVENG 4107 Prestressed Concrete Structures <input type="checkbox"/> | | | |
| TBC | CEME 4001 Advanced Reinforced Concrete Design <input type="checkbox"/> | CEME 4002 Finite Element Theory and Practice <input type="checkbox"/> | CEME 4003 Wind and Earthquake Engineering <input type="checkbox"/> | CEME 4004 Advanced Water Distribution Systems Engineering <input type="checkbox"/> |
| | CEME 4005 Advanced Hydrological Modelling & Water Resource Systems <input type="checkbox"/> | CEME 4006 Advanced Hydrology and Flood Hydraulics <input type="checkbox"/> | CEME 4007 Unsaturated Soils <input type="checkbox"/> | CEME 4008 Soil and Groundwater Remediation <input type="checkbox"/> |
| | CEME 4009 Environmental Decision Making <input type="checkbox"/> | CEME 4010 Designing Water Resource Systems for Urban Environment <input type="checkbox"/> | ENG 4011 Engineering Geology <input type="checkbox"/> | |

NOTES

^ EAL: Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering

Maths: Students who have not passed SACE Stage 2 Specialist Maths must enrol in MATHS 1013 Mathematics IM before enrolling in MATHS 1011 Mathematics IA. Manage your enrolment by completing MATHS 1013 Mathematics IM in semester 1 followed by MATHS 1011 Mathematics IA in semester 2 and MATHS 1012 Mathematics IB in summer school. MATHS 1013 Mathematics IM is in addition to the requirements of this program.

Internships: The 8 weeks of internship must be supervised by a qualified engineer and may be completed in one placement or a series of placements. The Faculty recommends students undertake internships upon commencement of third year engineering courses. Enrolment into 6 unit internship course opens from S1 2021. Internships are self-sourced and resources are available through [Careers Service](#). Register with CareerHub to access a database where opportunities are posted.

General Electives: How to choose an elective course in your area of interest? Please refer to the steps via the link: <https://ecms.adelaide.edu.au/study-with-us/student-support/enrolment>

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Bachelor of Engineering (Honours) (Civil) - Construction Management Major with Bachelor of Mathematical and Computer Sciences – Computer Science Major

| Year 1 | | | | |
|---|---|--|--|--|
| S 1 | # MATHS 1011 Mathematics IA <input type="checkbox"/> | CEME 1004 Engineering Mechanics-Statics <input type="checkbox"/> | ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/> | ^ ENG 1001 Introduction to Engineering <input type="checkbox"/> |
| S 2 | MATHS 1012 Mathematics IB <input type="checkbox"/> | CEME 1002 Introduction to Infrastructure <input type="checkbox"/> | CEME 2005 Transportation Engineering & Surveying <input type="checkbox"/> | COMP SCI 1102 Object Oriented Programming <input type="checkbox"/> |
| Year 2 | | | | |
| S 1 | MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/> | CEME 2001 Strength of Materials <input type="checkbox"/> | CEME 2003 Civil Engineering Hydraulics <input type="checkbox"/> | CEME 2004 Introduction to Geo-engineering <input type="checkbox"/> |
| S 2 | MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/> | CEME 2002 Structural Mechanics <input type="checkbox"/> | COMP SCI 2103 Algorithm Design & Data Structures <input type="checkbox"/> | DESST 1504 Representation I <input type="checkbox"/> |
| Year 3 | | | | |
| S 1 | ENG 3004 Interdisciplinary Professional Practice <input type="checkbox"/> | CEME 3001 Computer Analysis of Structures and Structural Dynamics <input type="checkbox"/> | CEME 3002 Reinforced Concrete Design <input type="checkbox"/> | DESST 2518 Construction II <input type="checkbox"/> |
| S 2 | ENG 3005 Research Method & Project Management <input type="checkbox"/> | CEME 3003 Structural Steel Design <input type="checkbox"/> | CEME 3005 Advanced Civil Engineering Hydraulics <input type="checkbox"/> | CEME 3006 Geotechnical Engineering <input type="checkbox"/> |
| Internship | | | | |
| All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship (6 units) during the course of their studies – see note below elective table. | | | | |
| Year 4 | | | | |
| S 1 | ENG 4001A Research Project Part A <input type="checkbox"/> | CEME 3004 Hydrology for Engineers <input type="checkbox"/> | COMP SCI 2000 Computer Systems <input type="checkbox"/> | General Elective <input type="checkbox"/> |
| S 2 | ENG 4001B Research Project Part B <input type="checkbox"/> | CEME 4050 Design Practice <input type="checkbox"/> | COMP SCI 2201 Algorithm & Data Structure Analysis <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |
| Year 5 | | | | |
| S 1 | ENG 3301 Construction Management and Technology I <input type="checkbox"/> | DESST 3514 Construction III <input type="checkbox"/> | ENG 3302 Cost Planning and Management <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |
| S 2 | ENG 3303 Construction Management and Technologies <input type="checkbox"/> | DESST 3304 Development and Construction <input type="checkbox"/> | COMP SCI 3006 Software Engineering & Project <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |

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|---|---|---|--|--|
| S1 | CEME 1001 Introduction to Environmental Engineering <input type="checkbox"/> | CHEM ENG 1007 Introduction to Process Engineering <input type="checkbox"/> | ELEC ENG 1101 Electronic Systems <input type="checkbox"/> | |
| S2 | CEME 1003 Resources and Energy in an Circular Economy <input type="checkbox"/> | MECH ENG 1007 Mechanical Engineering <input type="checkbox"/> | | |
| CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES | | | | |
| S1 | CHEM ENG 4051 Water and Wastewater Engineering <input type="checkbox"/> | | | |
| S2 | C&ENVENG 4107 Prestressed Concrete Structures <input type="checkbox"/> | | | |
| TBC | CEME 4001 Advanced Reinforced Concrete Design <input type="checkbox"/> | CEME 4002 Finite Element Theory and Practice <input type="checkbox"/> | CEME 4003 Wind and Earthquake Engineering <input type="checkbox"/> | CEME 4004 Advanced Water Distribution Systems Engineering <input type="checkbox"/> |
| | CEME 4005 Advanced Hydrological Modelling & Water Resource Systems <input type="checkbox"/> | CEME 4006 Advanced Hydrology and Flood Hydraulics <input type="checkbox"/> | CEME 4007 Unsaturated Soils <input type="checkbox"/> | CEME 4008 Soil and Groundwater Remediation <input type="checkbox"/> |
| | CEME 4009 Environmental Decision Making <input type="checkbox"/> | CEME 4010 Designing Water Resource Systems for Urban Environment <input type="checkbox"/> | ENG 4011 Engineering Geology <input type="checkbox"/> | |

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Bachelor of Engineering (Honours) (Civil) - Geotechnical Engineering Major with Bachelor of Mathematical and Computer Sciences - Computer Science Major

| Year 1 | | | | |
|---|---|--|--|--|
| S 1 | # MATHS 1011 Mathematics IA <input type="checkbox"/> | CEME 1004 Engineering Mechanics-Statics <input type="checkbox"/> | ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/> | Level 1 Engineering Elective (see elective table) <input type="checkbox"/> |
| S 2 | MATHS 1012 Mathematics IB <input type="checkbox"/> | CEME 1002 Introduction to Infrastructure <input type="checkbox"/> | ^ ENG 1001 Introduction to Engineering <input type="checkbox"/> | COMP SCI 1102 Object Oriented Programming <input type="checkbox"/> |
| Year 2 | | | | |
| S 1 | MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/> | CEME 2001 Strength of Materials <input type="checkbox"/> | CEME 2003 Civil Engineering Hydraulics <input type="checkbox"/> | CEME 2004 Introduction to Geo-engineering <input type="checkbox"/> |
| S 2 | MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/> | CEME 2002 Structural Mechanics <input type="checkbox"/> | CEME 2005 Transportation Engineering & Surveying <input type="checkbox"/> | COMP SCI 2103 Algorithm Design & Data Structures <input type="checkbox"/> |
| Year 3 | | | | |
| S 1 | ENG 3004 Interdisciplinary Professional Practice <input type="checkbox"/> | CEME 3001 Computer Analysis of Structures and Structural Dynamics <input type="checkbox"/> | CEME 3002 Reinforced Concrete Design <input type="checkbox"/> | COMP SCI 2000 Computer Systems <input type="checkbox"/> |
| S 2 | ENG 3005 Research Method & Project Management <input type="checkbox"/> | CEME 3003 Structural Steel Design <input type="checkbox"/> | CEME 3005 Advanced Civil Engineering Hydraulics <input type="checkbox"/> | CEME 3006 Geotechnical Engineering <input type="checkbox"/> |
| Internship | | | | |
| All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship (6 units) during the course of their studies – see note below elective table. | | | | |
| Year 4 | | | | |
| S 1 | ENG 4001A Research Project Part A <input type="checkbox"/> | CEME 3004 Hydrology for Engineers <input type="checkbox"/> | MINING 4102 Mine Geotechnical Engineering <input type="checkbox"/> | Civil Engineering Elective (see elective table) <input type="checkbox"/> |
| S 2 | ENG 4001B Research Project Part B <input type="checkbox"/> | CEME 4050 Design Practice <input type="checkbox"/> | COMP SCI 2201 Algorithm & Data Structure Analysis <input type="checkbox"/> | General Elective <input type="checkbox"/> |
| Year 5 | | | | |
| S 1 | CEME 4007 Unsaturated Soils <input type="checkbox"/> | ENG 4011 Engineering Geology <input type="checkbox"/> | Civil Engineering Elective (see elective table) <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |
| S 2 | CEME 4008 Soil and Ground Water Remediation <input type="checkbox"/> | COMP SCI 3006 Software Engineering & Project <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |
| Core Courses | Major Courses | Double Degree Courses | | |

Electives Table

| CHOOSE FROM THE FOLLOWING LEVEL 1 ENGINEERING ELECTIVES | | | | |
|---|---|--|--|---|
| S1 | CEME 1001 Introduction to Environmental Engineering <input type="checkbox"/> | CHEM ENG 1007 Introduction to Process Engineering <input type="checkbox"/> | ELEC ENG 1101 Electronic Systems <input type="checkbox"/> | |
| S2 | CEME 1003 Resources and Energy in an Circular Economy <input type="checkbox"/> | MECH ENG 1007 Mechanical Engineering <input type="checkbox"/> | | |
| CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES | | | | |
| S1 | CHEM ENG 4051 Water and Wastewater Engineering <input type="checkbox"/> | | | |
| S2 | C&ENVENG 4107 Prestressed Concrete Structures <input type="checkbox"/> | | | |
| TBC | CEME 4001 Advanced Reinforced Concrete Design <input type="checkbox"/> | CEME 4002 Finite Element Theory and Practice <input type="checkbox"/> | CEME 4003 Wind and Earthquake Engineering <input type="checkbox"/> | CEME 4004 Advanced Water Distribution Systems Engineering <input type="checkbox"/> |
| | CEME 4005 Advanced Hydrological Modelling & Water Resource Systems <input type="checkbox"/> | CEME 4006 Advanced Hydrology and Flood Hydraulics <input type="checkbox"/> | CEME 4009 Environmental Decision Making <input type="checkbox"/> | CEME 4010 Designing Water Resource Systems for Urban Environment <input type="checkbox"/> |

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Bachelor of Engineering (Honours) (Civil) - Structural Engineering Major with Bachelor of Mathematical and Computer Sciences - Computer Science Major

| Year 1 | | | | |
|---|---|--|--|--|
| S 1 | #MATHS 1011 Mathematics IA <input type="checkbox"/> | CEME 1004 Engineering Mechanics-Statics <input type="checkbox"/> | ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/> | Level 1 Engineering Elective (see elective table) <input type="checkbox"/> |
| S 2 | MATHS 1012 Mathematics IB <input type="checkbox"/> | CEME 1002 Introduction to Infrastructure <input type="checkbox"/> | ▲ENG 1001 Introduction to Engineering <input type="checkbox"/> | General Elective <input type="checkbox"/> |
| Year 2 | | | | |
| S 1 | MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/> | CEME 2001 Strength of Materials <input type="checkbox"/> | CEME 2003 Civil Engineering Hydraulics <input type="checkbox"/> | CEME 2004 Introduction to Geo-engineering <input type="checkbox"/> |
| S 2 | MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/> | CEME 2002 Structural Mechanics <input type="checkbox"/> | CEME 2005 Transportation Engineering & Surveying <input type="checkbox"/> | COMP SCI 1102 Object Oriented Programming <input type="checkbox"/> |
| Year 3 | | | | |
| S 1 | ENG 3004 Interdisciplinary Professional Practice <input type="checkbox"/> | CEME 3001 Computer Analysis of Structures and Structural Dynamics <input type="checkbox"/> | CEME 3002 Reinforced Concrete Design <input type="checkbox"/> | COMP SCI 2103 Algorithm Design & Data Structure <input type="checkbox"/> |
| S 2 | ENG 3005 Research Method & Project Management <input type="checkbox"/> | CEME 3003 Structural Steel Design <input type="checkbox"/> | CEME 3005 Advanced Civil Engineering Hydraulics <input type="checkbox"/> | CEME 3006 Geotechnical Engineering <input type="checkbox"/> |
| Internship | | | | |
| All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship (6 units) during the course of their studies – see note below elective table. | | | | |
| Year 4 | | | | |
| S 1 | ENG 4001A Research Project Part A <input type="checkbox"/> | CEME 3004 Hydrology for Engineers <input type="checkbox"/> | COMP SCI 2000 Computer Systems <input type="checkbox"/> | General Elective <input type="checkbox"/> |
| S 2 | ENG 4001B Research Project Part B <input type="checkbox"/> | CEME 4050 Design Practice <input type="checkbox"/> | COMP SCI 2201 Algorithm & Data Structure Analysis <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |
| Year 5 | | | | |
| S 1 | CEME 4001 Advanced Reinforced Concrete Design <input type="checkbox"/> | CEME 4003 Wind and Earthquake Engineering <input type="checkbox"/> | Civil Engineering Elective (see elective table) <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |
| S 2 | CEME 4002 Finite Element Theory and Practice <input type="checkbox"/> | Civil Engineering Elective (see elective table) <input type="checkbox"/> | COMP SCI 3006 Software Engineering & Project <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |

Electives Table

| CHOOSE FROM THE FOLLOWING LEVEL 1 ENGINEERING ELECTIVES | | | | |
|---|--|--|---|---|
| S1 | CEME 1001 Introduction to Environmental Engineering <input type="checkbox"/> | CHEM ENG 1007 Introduction to Process Engineering <input type="checkbox"/> | ELEC ENG 1101 Electronic Systems <input type="checkbox"/> | |
| S2 | CEME 1003 Resources and Energy in an Circular Economy <input type="checkbox"/> | MECH ENG 1007 Mechanical Engineering <input type="checkbox"/> | | |
| CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES | | | | |
| S1 | CHEM ENG 4051 Water and Wastewater Engineering <input type="checkbox"/> | | | |
| S2 | C&ENVENG 4107 Prestressed Concrete Structures <input type="checkbox"/> | | | |
| TBC | ENG 4011 Engineering Geology <input type="checkbox"/> | CEME 4004 Advanced Water Distribution Systems Engineering <input type="checkbox"/> | CEME 4005 Advanced Hydrological Modelling & Water Resource Systems <input type="checkbox"/> | CEME 4006 Advanced Hydrology and Flood Hydraulics <input type="checkbox"/> |
| | CEME 4007 Unsaturated Soils <input type="checkbox"/> | CEME 4008 Soil and Groundwater Remediation <input type="checkbox"/> | CEME 4009 Environmental Decision Making <input type="checkbox"/> | CEME 4010 Designing Water Resource Systems for Urban Environment <input type="checkbox"/> |

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| Year 1 | | | | |
|---|--|---|--|--|
| S 1 | # MATHS 1011 Mathematics IA <input type="checkbox"/> | CEME 1004 Engineering Mechanics-Statics <input type="checkbox"/> | ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/> | Level 1 Engineering Elective (see elective table) <input type="checkbox"/> |
| S 2 | MATHS 1012 Mathematics IB <input type="checkbox"/> | CEME 1002 Introduction to Infrastructure <input type="checkbox"/> | ^ ENG 1001 Introduction to Engineering <input type="checkbox"/> | General Elective <input type="checkbox"/> |
| Year 2 | | | | |
| S 1 | MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/> | CEME 2001 Strength of Materials <input type="checkbox"/> | CEME 2003 Civil Engineering Hydraulics <input type="checkbox"/> | CEME 2004 Introduction to Geo-engineering <input type="checkbox"/> |
| S 2 | MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/> | CEME 2002 Structural Mechanics <input type="checkbox"/> | CEME 2005 Transportation Engineering & Surveying <input type="checkbox"/> | COMP SCI 1102 Object Oriented Programming <input type="checkbox"/> |
| Year 3 | | | | |
| S 1 | ENG 3004 Interdisciplinary Professional Practice <input type="checkbox"/> | CEME 3001 Computer Analysis of Structures and Structural Dynamics <input type="checkbox"/> | CEME 3002 Reinforced Concrete Design <input type="checkbox"/> | COMP SCI 2103 Algorithm Design & Data Structure <input type="checkbox"/> |
| S 2 | ENG 3005 Research Method & Project Management <input type="checkbox"/> | CEME 3003 Structural Steel Design <input type="checkbox"/> | CEME 3005 Advanced Civil Engineering Hydraulics <input type="checkbox"/> | CEME 3006 Geotechnical Engineering <input type="checkbox"/> |
| Internship | | | | |
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| Year 4 | | | | |
| S 1 | ENG 4001A Research Project Part A <input type="checkbox"/> | CEME 3004 Hydrology for Engineers <input type="checkbox"/> | COMP SCI 2000 Computer Systems <input type="checkbox"/> | General Elective <input type="checkbox"/> |
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| Year 5 | | | | |
| S 1 | CEME 4004 Advanced Water Distribution Systems Engineering <input type="checkbox"/> | CEME 4005 Advanced Hydrological Modelling & Water Resource Systems <input type="checkbox"/> | Civil Engineering Elective (see elective table) <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |
| S 2 | CEME 4006 Advanced Hydrology and Flood Hydraulics <input type="checkbox"/> | Civil Engineering Elective (see elective table) <input type="checkbox"/> | COMP SCI 3006 Software Engineering & Project <input type="checkbox"/> | Computer Science Major Level III <input type="checkbox"/> |

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|---|--|--|---|---|
| S1 | CEME 1001 Introduction to Environmental Engineering <input type="checkbox"/> | CHEM ENG 1007 Introduction to Process Engineering <input type="checkbox"/> | ELEC ENG 1101 Electronic Systems <input type="checkbox"/> | |
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| CHOOSE FROM THE FOLLOWING ENGINEERING ELECTIVES | | | | |
| S1 | CHEM ENG 4051 Water and Wastewater Engineering <input type="checkbox"/> | | | |
| S2 | C&ENVENG 4107 Prestressed Concrete Structures <input type="checkbox"/> | | | |
| TBC | ENG 4011 Engineering Geology <input type="checkbox"/> | CEME 4001 Advanced Reinforced Concrete Design <input type="checkbox"/> | CEME 4002 Finite Element Theory and Practice <input type="checkbox"/> | CEME 4003 Wind and Earthquake Engineering <input type="checkbox"/> |
| | CEME 4007 Unsaturated Soils <input type="checkbox"/> | CEME 4008 Soil and Groundwater Remediation <input type="checkbox"/> | CEME 4009 Environmental Decision Making <input type="checkbox"/> | CEME 4010 Designing Water Resource Systems for Urban Environment <input type="checkbox"/> |

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