

Bachelor of Information Technology

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Bachelor of Information Technology

Program Notes

General Electives

- General electives may be any University of Adelaide Undergraduate course for which the student meets the pre-requisites. Please check the availability, restriction and incompatible section on the course planner for elective choices.
- 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>

Computer Science Internships

- Internships are available to students and allow students to build and apply skills to a relevant workplace setting.
- Students will need to apply for approved internships on [CareerHub](#), and if successful in gaining an internship will be enrolled by the faculty in *COMP SCI 3710 ECMS Internship* (6 units).
- For more information see: <https://ecms.adelaide.edu.au/study-with-us/student-support/internships/computer-mathematical-sciences>

Bachelor of Information Technology

Artificial Intelligence Major

| | Course | Units | Status |
|---------------|---|-------|--------|
| Year 1 | | | |
| S1 | COMP SCI 1015 Introduction to Applied Programming | 3 | |
| S1 | PROJMGNT 1001 Foundations of Project Management | 3 | |
| S1 | General Level I Elective | 3 | |
| S1 | General Level I Elective | 3 | |
| S2 | COMP SCI 1013 Introduction to Computer Systems, Networks and Security | 3 | |
| S2 | COMP SCI 1014 Information Technology Project | 3 | |
| S2 | TECH 1004 Artificial Intelligence Technologies | 3 | |
| S2 | General Level I/II/III Elective | 3 | |
| Year 2 | | | |
| S1 | COMP SCI 2009 Programming for IT Specialists | 3 | |
| S1 | COMP SCI 2207 Web & Database Computing | 3 | |
| S1 | General Level I/II/III Elective | 3 | |
| S1 | General Level II Elective | 3 | |
| S2 | COMP SCI 2000 Computer Systems | 3 | |
| S2 | COMP SCI 2208 Databases and Ethical Data | 3 | |
| S2 | ENTREP 2003 Driving Decisions: Accounting and Finance | 3 | |
| S2 | General Level III Elective | 3 | |
| Year 3 | | | |
| S1 | Artificial Intelligence Elective | 3 | |
| S1 | Professional Elective | 3 | |
| S1 | COMP SCI 3007 Artificial Intelligence UG | 3 | |
| S1 | COMP SCI 3317 Using Machine Learning Tools | 3 | |
| S2 | Professional Elective | 3 | |
| S2 | Artificial Intelligence Elective | 3 | |
| S2 | Capstone Elective | 6 | |

| | | |
|-----------------------|---------------------------------------|---|
| Core Course | Elective Course (see elective tables) | Major Course / Major Elective (see table) |
| CM = Completed | CR = Credit Awarded | EN = Currently Enrolled |
| | | ENROL = Add to Enrolments |

| Artificial Intelligence Elective Table | | | |
|---|--|---|--|
| S1 | COMP SCI 3315 Computer Vision | 3 | |
| S2 | COMP SCI 3314 Introduction to Statistical Machine Learning | 3 | |
| S2 | COMP SCI 3316 Evolutionary Computation | 3 | |
| Professional Elective Table | | | |
| S1 | ENTREP 1020 Design Thinking: Problems to Practice | 3 | |
| S1 | ENTREP 3901 Tech eChallenge | 3 | |
| S1 | MATHS 3025 Professional Practice III | 3 | |
| S1 S2 | ENG 3004 Systems Engineering and Industry Practice | 3 | |
| Capstone Elective Table | | | |
| S1 | COMP SCI 3021 Industry Project in Information Technology | 6 | |
| S1 | COMP SCI 3710 ECMS Internship (see Program Notes) | 6 | |

Links and Further Information

- [Course Planner](#) Information about University courses, including availability, class times, restrictions and prerequisites.
- [University Calendar](#) All academic program rules.
- **Contact Ask ECMS:** askecms@adelaide.edu.au • +61 8 8313 4148 • www.ecms.adelaide.edu.au

Bachelor of Information Technology

Cybersecurity Major

| Course | | Units | Status |
|---------------|---|-------|--------|
| Year 1 | | | |
| S1 | COMP SCI 1015 Introduction to Applied Programming | 3 | |
| S1 | PROJMGNT 1001 Foundations of Project Management | 3 | |
| S1 | General Level I Elective | 3 | |
| S1 | General Level I Elective | 3 | |
| S2 | COMP SCI 1013 Introduction to Computer Systems, Networks and Security | 3 | |
| S2 | COMP SCI 1014 Information Technology Project | 3 | |
| S2 | TECH 1005 Cyber Security | 3 | |
| S2 | General Level I/II/III Elective | 3 | |
| Year 2 | | | |
| S1 | COMP SCI 2009 Programming for IT Specialists | 3 | |
| S1 | COMP SCI 2207 Web & Database Computing | 3 | |
| S1 | General Level I/II/III Elective | 3 | |
| S1 | General Level II Elective | 3 | |
| S2 | COMP SCI 2000 Computer Systems | 3 | |
| S2 | COMP SCI 2208 Databases and Ethical Data | 3 | |
| S2 | ENTREP 2003 Driving Decisions: Accounting and Finance | 3 | |
| S2 | General Level III Elective | 3 | |
| Year 3 | | | |
| S1 | Professional Elective | 3 | |
| S1 | Professional Elective | 3 | |
| S1 | COMP SCI 3001 Computer Networks & Applications | 3 | |
| S1 | COMP SCI 3308 Cybersecurity Fundamentals | 3 | |
| S2 | COMP SCI 3004 Operating Systems | 3 | |
| S2 | COMP SCI 3307 Secure Programming | 3 | |
| S2 | Capstone Elective | 6 | |

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|----------------|---------------------------------------|---|
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| Professional Elective Table | | | |
|-----------------------------|--|---|--|
| S1 | ENTREP 1020 Design Thinking: Problems to Practice | 3 | |
| S1 | ENTREP 3901 Tech eChallenge | 3 | |
| S1 | MATHS 3025 Professional Practice III | 3 | |
| S1 S2 | ENG 3004 Systems Engineering and Industry Practice | 3 | |
| Capstone Elective Table | | | |
| S1 | COMP SCI 3021 Industry Project in Information Technology | 6 | |
| S1 | COMP SCI 3710 ECMS Internship (see Program Notes) | 6 | |

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