FACULTY OF IT

BACHELOR OF INFORMATION TECHNOLOGY ORIENTATION

WHERE CAN IT TAKE YOU?

Barrett Ens, Course Director
YOUR COURSE AT A GLANCE

8 Core Units
- Programming, algorithms, mathematics
- Capstone Project or Work Integrated Learning

8 Elective Units
- Can be from any faculty
- Can lead to another major, an extended major or one or two minors

8 Major Units
- Major decided by end of first year
INFORMATION TECHNOLOGY MAJORS

- Business information systems
- Computer networks and security
- Games Development
- Interactive Media
- Software Development
USE YOUR ELECTIVE SPACE (4 UNITS) TO MINOR IN:

- Business Information Systems
- Computer Networks & Security
- Cybersecurity
- Data Science
- Games Design
- Games Development
- Interactive Media
- IT for Business
- Mobile Apps Development
- Software Development
- Software Engineering
- Web Development

Or minors from other faculties or areas of study
## Single Degree

Three years full time study (24 units in total): 8 Core units, 8 Major units, 8 Elective units.

### Select one from the three programming unit offerings:
- **FIT1051** Programming fundamentals in Java (core for BIS major)
- **FIT1048** Fundamentals of C++ (core for Games Development major)
- **FIT1045** Algorithms and programming fundamentals in Python (core for Computer Science degree), Prerequisite VCE 3&4 Math Methods or MTH1010

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Course</th>
<th>Major Unit</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>Semester 2 2022</td>
<td>Programming</td>
<td>Major Unit 1</td>
<td>Elective</td>
</tr>
<tr>
<td>2023</td>
<td>Semester 1 2023</td>
<td>Systems development OR Object-oriented design and development</td>
<td>Major Unit 2</td>
<td>Elective</td>
</tr>
<tr>
<td></td>
<td>Semester 2 2023</td>
<td>IT Project Management</td>
<td>Major Unit 3</td>
<td>Elective</td>
</tr>
<tr>
<td>2024</td>
<td>Semester 1 2024</td>
<td>Major Unit 4</td>
<td>Major Unit 5</td>
<td>Major Unit 6</td>
</tr>
<tr>
<td></td>
<td>Semester 2 2024</td>
<td>IT Capstone, Studio</td>
<td>Major Unit 7</td>
<td>Major Unit 8</td>
</tr>
<tr>
<td>2025</td>
<td>Semester 1 2025</td>
<td>IT Capstone, Studio</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>
### Course Design - Double Degree

**Arts, Science, Business, Commerce**

#### Double Degree

Four - five years full time study (36 - 44 units in total):

- 8 Core & 8 Major units from Faculty of IT and
- 16 - 24 units from another faculty (depending on the other degree).

Select one from the three programming unit offerings:

- **FIT1051** Programming fundamentals in java (core for BIS major)
- **FIT1048** Fundamentals of C++ (core for Games Development major)
- **FIT1045** Algorithms and programming fundamentals in python (core for Computer Science degree), Prerequisite VCE 3&4 Math Methods or MTH1010

### 2022

<table>
<thead>
<tr>
<th>Semester</th>
<th>Major Unit 1</th>
<th>Information Technology Units</th>
<th>Core Unit 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022 Sem 1</td>
<td>Programming</td>
<td>Introduction to Computer systems, networks and security</td>
<td>Core Unit 1</td>
</tr>
<tr>
<td>2022 Sem 2</td>
<td>Databases</td>
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### 2023

<table>
<thead>
<tr>
<th>Semester</th>
<th>Major Unit 2</th>
<th>Information Technology Units</th>
<th>Core Unit 2</th>
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<tbody>
<tr>
<td>2023 Sem 1</td>
<td>IT Professional Practice</td>
<td>Major Unit 1</td>
<td>Core Unit 2</td>
</tr>
<tr>
<td>2023 Sem 2</td>
<td>Databases</td>
<td>Major Unit 2</td>
<td>Core Unit 3</td>
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### 2024

<table>
<thead>
<tr>
<th>Semester</th>
<th>Major Unit 3</th>
<th>Information Technology Units</th>
<th>Core Unit 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>2024 Sem 1</td>
<td>Object oriented design and implementation OR Systems development</td>
<td>Major Unit 3</td>
<td>Core Unit 4</td>
</tr>
<tr>
<td>2024 Sem 2</td>
<td>IT Project Management</td>
<td>Major Unit 4</td>
<td>Core Unit 5</td>
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</table>

### 2025

<table>
<thead>
<tr>
<th>Semester</th>
<th>Major Unit 4</th>
<th>Information Technology Units</th>
<th>Core Unit 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>2025 Sem 1</td>
<td>Major Unit 5</td>
<td>Major Unit 5</td>
<td>Core Unit 6</td>
</tr>
<tr>
<td>2025 Sem 2</td>
<td>IT Capstone, Studio</td>
<td>Major Unit 7</td>
<td>Core Unit 7</td>
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### 2026

<table>
<thead>
<tr>
<th>Semester</th>
<th>Major Unit 5</th>
<th>Information Technology Units</th>
<th>Core Unit 8</th>
</tr>
</thead>
<tbody>
<tr>
<td>2026 Sem 1</td>
<td>IT Capstone, Studio</td>
<td>Major Unit 8</td>
<td>Core Unit 8</td>
</tr>
</tbody>
</table>

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**2022**

- **Semester 2 2022**
  - Programming
  - Core Unit 1

**2023**

- **Semester 1 2023**
  - IT Professional Practice
  - Major Unit 1
- **Semester 2 2023**
  - Databases
  - Major Unit 2

**2024**

- **Semester 1 2024**
  - Object oriented design and implementation OR Systems development
  - Major Unit 3
- **Semester 2 2024**
  - IT Project Management
  - Major Unit 4

**2025**

- **Semester 1 2025**
  - Major Unit 5
  - Major Unit 6
- **Semester 2 2025**
  - IT Capstone, Studio
  - Major Unit 7

**2026**

- **Semester 1 2026**
  - IT Capstone, Studio
  - Major Unit 8
### COURSE DESIGN - 5 Year Double Degree

**Engineering, Law**

<table>
<thead>
<tr>
<th>Year 1 - with Engineering</th>
<th>Sem 2 2022</th>
<th>Programming</th>
<th>ENG1011</th>
<th>ENG1005</th>
<th>ENG1014</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Year 1 - with Law</th>
<th>Sem 2 2022</th>
<th>Programming</th>
<th>Major Unit 1</th>
<th>Law</th>
<th>Law</th>
</tr>
</thead>
</table>
Enrolment
You are completely responsible for all aspects of your enrolment in this degree.

This includes ensuring that you complete the correct units required to complete your degree - make sure you check your course map regularly and don’t rely on WES rules to determine if your unit selection is correct for your degree.

Note:
Details of your enrolment and academic performance are not released to anyone without your consent. This means that others should not be used to make enrolment enquiries/changes without signed approval from you.
UNIT PREREQUISITES

SOME UNITS HAVE A PREREQUISITE OF YEAR 12 MATHS

- FIT1045 Algorithms and programming fundamentals in python
  - Prerequisite is VCE Maths Methods or Specialist 3&4 with study score > 25
- FIT1006 Business information analysis
  - Prerequisite is VCE Maths Methods or Specialist 3&4 with study score > 25 or Further Maths 3&4 with study score > 30

If you do not meet the Maths prerequisite, then study MTH1010 first. Check each unit’s page to see if the unit has a prerequisite.
CREDIT, EXEMPTIONS AND RPL

We recommend that you submit your credit application as quickly as possible. This will allow you plenty of time to change your enrolment prior to the start of semester.

Applying for Credit
Awarded credit points for previous study towards units that you will not be required to complete towards your degree.

Specified Credit – Units from your prior study which have been deemed at least 80% equivalent to a Monash unit.

Unspecified Credit – Granted where your prior study is deemed less than 80% equivalent to a Monash unit. Unspecified credit is counted in place of your free electives.

Exemptions (Preclusions)
Not awarded credit points; you are required to replace these units with alternative units.

Recognition of Prior Learning
Can apply for credit for informal learning. Must provide CV, statement from employer on official letterhead outlining how you meet the unit learning outcomes, reference letters (if available). May be required to sit exam to prove academic proficiency.
Avoid the penalties… seek support early

Where can I find out more?
Learn more about Academic Integrity, plagiarism and collusion at Monash:

- Academic Integrity policy
- What is Academic Integrity
- Academic Integrity online tutorials
- English Connect academic writing programs
- Library Learning Skills Advisors - one-on-one consultations.

Faculty of Information Technology Academic Integrity Officer -
fit-academicintegrity@monash.edu
EMPLOYABILITY AT MONASH

THERE ARE A NUMBER OF OPTIONS BOTH WITHIN AND IN ADDITION TO YOUR COURSE THAT YOU SHOULD CONSIDER TO DEVELOP YOUR EMPLOYABILITY

INDUSTRY BASED LEARNING

Our IBL program gives you the chance to enhance your education through a 6 month practical placement with one of our industry partners. This program expands the depth of your experience and build up your resume. You also receive a paid scholarship, credit towards your degree, and experience for a proven competitive advantage in the workplace.

CAREER CONNECT

University service that helps you plan your career and find work, providing a range of opportunities and resources to ensure you maximise your employment prospects (present at the expo)

MITI

The Monash Industry Team Initiative partners multidisciplinary student teams from Monash University with leading Australian and global industry partners. Students collaborate and design innovative solutions to real issues over 12 weeks from December to February. This is something for you to consider when you are in your penultimate year of study.

MONASH TALENT

Monash University service that creates opportunities for graduates. With a strong network of reputable employers and a team of experienced recruitment specialists, Monash Talent have the tools and the connections you need to find great work opportunities after graduation.

MONASH ACCELERATOR PROGRAM

The Accelerator program is a three-month intensive program to help you to scale up your start up venture. Successful applicants receive up to $20,000 in funding, a dedicated co-working space and mentoring from an entrepreneur-in-residence. This program runs annually from July – September.
GETTING AHEAD OF THE CURVE

• Understand your course structure

• Attend and participate in class

• Don’t be afraid to ask lots of questions

• Take notes throughout all lectures

• Study with your peers

• Preview and review actively outside of class

• If you are having difficulties speak up and ask for help. Your course director, unit coordinator, lecturers, tutors and peer mentors are all here to help you.
## IMPORTANT DATES

<table>
<thead>
<tr>
<th>Date</th>
<th>Context</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday 25 July 2022</td>
<td>Semester 2 begins</td>
</tr>
<tr>
<td>Friday 5 August 2022</td>
<td>Last day to add a unit to your semester 2 enrolment</td>
</tr>
<tr>
<td>Wednesday 31 August 2022</td>
<td>Census date – last day to withdraw from a semester 2 unit without</td>
</tr>
<tr>
<td></td>
<td>incurring fees and without a WD showing on your academic transcript</td>
</tr>
<tr>
<td>Monday 26 September - Sunday 2 October 2022</td>
<td>Mid semester break</td>
</tr>
<tr>
<td>TBC - Check my.monash</td>
<td>Exam timetable published on WES</td>
</tr>
<tr>
<td>Friday 21 October 2022</td>
<td>Last day of semester 2 classes</td>
</tr>
<tr>
<td>Monday 24 October - Friday 28 October 2022</td>
<td>Pre-exam study period (SWOT VAC)</td>
</tr>
<tr>
<td>Monday 31 October 2022</td>
<td>Semester 2 examination period</td>
</tr>
<tr>
<td>Monday 5 December 2022</td>
<td>Semester 2 results released</td>
</tr>
</tbody>
</table>
NEED HELP?

Do you have a question?

For all enquiries, ask.monash Monash Connect are your one stop shop. The team are best placed to answer your enquiry or direct you to the appropriate area.

Learn HQ - Your learning headquarters

Your learning success is our priority! We are here to support you through one-on-one consultations, learning resources and engaging workshops that address all your learning and language needs. Click here to learn more.
TO DO

• Enrol in units today (if you haven’t already) for Semester 2, 2022.
• Enrol in tutorials and labs for each semester a couple of weeks prior to the semester starting through Allocate+
• Attend class
• Meet all financial obligations (pay your fees).
• Enjoy yourself! There is a big difference between University life and Career life, so make the most of your time here

PAGES TO BOOKMARK:

• WES: Admin (https://my.monash.edu.au/wes/)
• My.Monash: Portal (https://my.monash.edu.au/)
• Moodle: Course (http://moodle.vle.monash.edu/my/)
• Allocate +: Timetabling (https://www.monash.edu/timetables/allocate/login)
• Monash Library: (http://www.monash.edu/library)
WHAT’S NEXT

O-WEEK

Monday 18 July - 3pm - 4pm
Making Monash Friends - Virtual register here
Looking for ways to meet and connect with other students? Come along to meet other students within the Faculty of IT.

Tuesday 19th July - 2.00pm - 3.30pm
UG Faculty Welcome Sessions (BIT) - In-person
Hear from Course Directors, current students and university support staff and learn vital information about succeeding in your degree.

Thursday 21st July 3.00pm to 4.00pm - Virtual
Friday 22nd July 11am - 1pm - In-person
Student Services Course advice sessions. Ask your questions, get your free coffee!

Saturday 23rd July & Sunday 24th July - 12pm - 5pm - In-person
Learn from content curated to cover the basics taught in many of our introductory programming units. You will meet your peers and get personalised support from our talented student tutors!
HAVE YOU DOWNLOADED THE MY.MONASH APP?

The **my.monash** app includes all the functionality you'll find in the desktop version, but it also includes features like interactive campus maps.

Monash University students can get:

- Easy access to dynamic, real-time information and frequently accessed services
- Personalised content including timetable, dates, email and Moodle
- Latest notices and news
- A seamless transition between desktop and mobile devices
- Online campus maps with details of buildings, libraries, ATM's, parking and more.
MAKE THE MOST OF EVERY OPPORTUNITY!

• Explore options to enhance your degree

• Utilise the range of services, including Career Connect and English Connect

• Read the IT Student newsletter, The Byte

• Join a student club

• Participate in social activities

• Attend some of the many interesting workshops

• Work hard but also HAVE FUN!