2026 Information Technology (IT) Subject Guide
Study Abroad and Exchange

Study Abroad and Exchange students may choose subjects from more than one faculty at UTS.

This guide highlights our most popular IT subjects. You can also search for other subjects and majors using the UTS Handbook and UTS IT website.

Subjects offered in other faculties may carry different credit point values. Be mindful of this when choosing your subjects. Final enrolment into subjects is conditional upon class availabilities and completion of the online enrolment process.

When can I study?

Study Abroad and Exchange is available:

Period	Category
February – June	**A**: Autumn Session

Period	Category
July – November	**S**: Spring Session

Please note: Some of the subjects you want to undertake from the list may not be available in your intake session. To confirm subject availability, please search the relevant subject codes in the UTS Timetable Planner.

In the Timetable Planner, "AUT" refers to Autumn Session, and "SPR" refers to Spring session.

What can I study?

Pre-approved subject list
This is a great place to start! All subjects in this list are:
- **Pre-approved** and automatically added in your study plan
- You can **self-enrol** once you activate your student account
- No need to include them in your application
- **No additional subject assessments** required
- You can even choose subjects **outside your study area**, as long as it's permitted by your home university

Faculty assessed subjects
All subjects from this list require prior knowledge. You will need to:
- List the subjects in your application
- Check prerequisites in the UTS Handbook
- Demonstrate that you have the prior skills and knowledge necessary to undertake the subject (academic transcript and subject outline)

Note: Each subject will be individually assessed by the faculty for approval, which can take up to 6 weeks.

Faculty assessed subjects

- **L1** (Level 1) usually undertaken in first year (similar to 100 level, introductory level)
- **L2** (Level 2) usually undertaken in second year (similar to 200 level, prior knowledge is required)
- **L3** (Level 3) usually undertaken in third year (similar to 300 level, advanced level)

Undergraduate subjects

- Students with no prior IT background should start with the pre-approved subject list.
- Undergraduate students are not permitted to study postgraduate subjects.
- Subjects marked with * are **pre-approved subjects**, all other subjects have prerequisites.

IT Core subjects

48023	Programming Fundamentals*	L1	A or S
41092	Network Fundamentals*	L1	A or S
31271	Database Fundamentals	L2	A or S
31272	Project Management and the Professional	L3	A or S
43030	Professional Practice in Computing	L2	A or S

Business Information Systems Management
Note: These subjects are suitable for students with a background in information systems.

31247	Collaborative Business Processes	L1	S
31255	Finance and IT Professionals	L2	A
31257	Information System Development Methodologies	L2	A
31258	Innovations for Global Relationship Management	L2	S
31245	Business Process and IT Strategy	L3	S
31097	IT Operations Management	L3	A

Computer Graphics and Animation
Note: For IT students with no prior background in computer graphics, 31080 is recommended as a starting point.

31264	Computer Graphics	L2	A
31262	Game Design Methodologies	L2	A
31080	Interactive Media	L2	S
31263	Introduction to Computer Game Development	L3	S

Interaction Design
Note: These subjects are suitable for students with a background in software, interactive media and interaction / user design.

41019	Prototyping Physical Interaction	L2	A
31777	Advanced Interaction Design	L2	S
31080	Interactive Media	L2	S
41021	Interaction Design Studio (12CP)	L3	A or S

Data Analytics
Note: These subjects are suitable for students with a background in statistics, business intelligence and/or analytics.

41040	Introduction to Artificial Intelligence	L1	S
42028	Deep Learning and Convolutional Neural Network	L2	A
31256	Image Processing and Pattern Recognition	L2	S
31005	Machine Learning	L2	S

Enterprise Software Development
Note: These subjects are suitable for students with a background in software development. All subjects assume introductory Java programming ability.

48024	Programming 2	L2	A or S
31251	Data Structures and Algorithms	L2	A or S
41001	Cloud Computing and Software as a Service	L3	A or S
41889	Application Development in the iOS Environment	L3	A
31777	Advanced Interaction Design	L3	S
31927	Application Development with .NET	L3	S
48433	Software Architecture	L3	S

Networking and Cybersecurity
Note: These subjects are suitable for students with a background in networking and data communications.

31277	Routing and Switching Essentials	L2	A or S
41900	Cryptography	L2	A or S
31748	Programming on the Internet	L2	A
41181	Information Security and Management	L2	S
31338	Network Servers	L2	S
31275	Mobile Networking	L2	S
41182	System Security	L2	A
48730	Cybersecurity	L3	A or S
48436	Digital Forensics	L3	S
41891	Cloud Computing Infrastructure	L3	S

Postgraduate subjects

The following are postgraduate subjects in IT at UTS. Apart from the foundation IT subjects mentioned below, generally students are required to have completed a bachelor's degree in computing, IT, or a related field (or have equivalent prior knowledge) to be eligible to study the following subjects.

Foundation IT subjects
Note: These postgraduate subjects are suitable for students who have completed their bachelor's degree in a field other than computing or IT.

32555	Fundamentals of Software Development	A or S
32606	Database	A or S

Data Analytics

42913	Social and Information Network Analysis	A
32113	Advanced Database	S
32513	Advanced Data Analytics Algorithms	A or S
32146	Data Visualisation and Visual Analytics	A or S
42177	Image Processing and Pattern Recognition	S
42913	Social and Information Network Analysis	A

Interactive Media

95566	Digital Experience Design	A
95563	Data Driven Storytelling Studio	S

Internetworking

32548	Cybersecurity	A or S

Enterprise Software Development

42889	iOS Application Development	A
42904	Cloud Computing and Software as a Service	A
32509	Advanced Interaction Design	S