

Study Abroad and Exchange at UTS: Information Technology (IT)

As a Study Abroad/Exchange student, you may design a program of subjects from more than one faculty at UTS (provided you enroll in 24 credit points of full-time study). IT subjects are weighted 6 credit points each. Subjects offered in other faculties may carry different credit point values. Be mindful of this when choosing your subjects.

Please note: This guide focuses on key study areas to locate our more popular IT subjects. In addition to the subjects in this guide, you can search for all subjects and majors using the [UTS Handbook](#).

When can I study?

Study Abroad and Exchange is available:

Period	Category	Period	Category
February – June	A: Autumn Session	August – November	S: Spring Session

Please note:

- In Australia, **Autumn Session** occurs in the first half of the year. **Spring Session** occurs in the second half of the year.
- If you apply for a subject with one or more prerequisites, you will need to demonstrate that you have the prior skills and knowledge necessary to undertake the subject.
- Most IT subjects are offered in both sessions, except where indicated **A** or **S**. Please check the timetable in case of a change.
- Subjects offered in **A:** Autumn Session or **S:** Spring Session may be subject to change.
- Undergraduate students are not permitted to study postgraduate subjects.
- Sessions include the examination weeks. Should you leave the country prior to attending and completing the assessments, you will not receive a grade/mark for your exam or quiz or any other assessments.

Further details:

- For details on subjects, including prerequisites, refer to the UTS Handbook: www.handbook.uts.edu.au
- For availability of subjects, check the timetable at <https://www.uts.edu.au/current-students/timetable/uts-timetable-planner>
- To find out more about IT programs, visit: <https://www.uts.edu.au/future-students/information-technology>
- To find out more about UTS Study Abroad and Exchange programs, visit: <https://www.uts.edu.au/future-students/international/study-abroad-and-exchange-students/welcome>
- For general enquiries contact: T: (+612) 9514 7915, E: studyabroad.exchange@uts.edu.au

Key: (Information included: Subject Number, Subject Name, Level and Session offered)

- **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

- The following are undergraduate subjects offered by the Faculty of Engineering and Information Technology.
- Students with no prior IT background should start with Level 1 subjects (introductory level).
- The list is not exhaustive – there may be other subjects available to Study Abroad/Exchange students.
- * Indicates this subject has prerequisite(s)

Core subjects

31265	Communication for IT Professionals	L1	A or S
31266	Introduction to Information Systems	L1	A or S
48023	Programming Fundamentals	L1	A or S
31268	Web Systems	L1	A or S
31269	Business Requirements Modelling*	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

Business Information Systems Management

These subjects are suitable for students with a background in information systems.

31247	Collaborative Business Processes*	L1	A or S
31255	Finance and IT Professionals*	L2	A
31257	Information System Development Methodologies	L2	A or S
31258	Innovations for Global Relationship Management*	L2	S
31276	Networked Enterprise Architecture*	L2	S
31245	Business Process and IT Strategy*	L3	A or S
31097	IT Operations Management*	L3	A
31282	Systems Testing and Quality Management*	L3	S

Computer Graphics and Animation

For IT students with no prior background in computer graphics, [31080](#) is recommended as a starting point.

31264	Introduction to Computer Graphics*	L2	A
31262	Introduction to Computer Game Design*	L2	A
31080	Interactive Media*	L2	S
31241	3D Computer Animation*	L3	A
31263	Introduction to Computer Game Development*	L3	S

Interaction Design

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

31260	Fundamentals of Interaction Design	L1	A or S
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

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

31250	Introduction to Data Analytics*	L2	A or S
31005	Machine Learning*	L2	S
31256	Image Processing and Pattern Recognition*	L2	S
31253	Database Programming*	L3	A

Enterprise Systems Development

These subjects are suitable for students with a background in software development. All subjects assume introductory Java programming ability.

48024	Applications Programming*	L1	A or S
31260	Fundamentals of Interaction Design	L2	A or S
31251	Data Structures and Algorithms*	L2	A
31253	Database Programming*	L3	A
41001	Cloud Computing and Software as a Service*	L3	A
41889	Application Development in the iOS Environment*	L3	A
31777	Advanced Interaction Design*	L3	S
31242	Advanced Internet Programming*	L3	S
31927	Application Development with .NET*	L3	S
48433	Software Architecture*	L3	S



Networking and Cybersecurity

These subjects are suitable for students with a background in networking and data communications.

48024	Applications Programming*	L1	A or S
31274	Network Management*	L1	A
31277	Routing and Switching Essentials*	L2	A or S
41900	Cryptography	L2	A or S
31748	Programming on the Internet*	L2	A
31338	Network Servers*	L2	S
31275	Mobile Networking*	L2	S
48730	Cybersecurity*	L3	A or S
41889	Application Development in the iOS Environment*	L3	A
31242	Advanced Internet Programming*	L3	S
48436	Digital Forensics*	L3	S
41891	Cloud Computing Infrastructure*	L3	S

Data Analytics

32130	Fundamentals of Data Analytics	A or S
32113	Advanced Database	S
32513	Advanced Data Analytics Algorithms	S
32567	Business Intelligence for Decision Support	S
32146	Data Visualisation and Visual Analytics	S

Interactive Media

95566	Digital Experience Design	A
95563	Storytelling and Sense-making Studio	S
32027	Interactive Media	S

Internetworking

32548	Cybersecurity	A or S
32547	UNIX Systems Programming	A or S
32528	Network Management	A
32516	Internet Programming	A
32118	Mobile Communications and Computing	S

Software Development

32569	Enterprise Business Requirements	A
32571	Enterprise Software Testing	S
32603	Systems Quality Management	A
42889	iOS Application Development	A
42904	Cloud Computing and Software as a Service	A
32509	Advanced Interaction Design	S
32998	.NET Application Development	S
32570	Enterprise Architecture Practice	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

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

32524	LANs and Routing	A or S
32541	Project Management	A or S
32555	Fundamentals of Software Development	A or S
32557	Enabling Enterprise Information Systems	A or S
32563	IT Professional and Society	A or S
32606	Database	A or S

Business Information Systems

32559	Business Systems Design	A or S
32558	Business Intelligence	A or S
32208	Information Systems Strategy	A or S
32569	Enterprise Business Requirements	A
32603	Systems Quality Management	A
32560	Information Systems Architecture Design	S
32990	IT Contracts and Outsourcing	S
32531	Global Information Systems	S

Computer Graphics and Gaming

32003	Computer Game Design	A
32501	Computer Graphics	A
32543	3D Animation	A
32004	Game Development	S