Graduate Certificate in Information Technology (Computer Networks) (IT90)

Year offered: 2010
Admissions: No
Course duration (part-time): 2 semesters or 26 weeks (based on completing 2 units/sem)
Domestic fees (indicative): 2010: Full fee tuition $7,250 (indicative) per semester
Assumed knowledge: See Entry Requirements
Preparatory studies: For information on acquiring assumed knowledge visit http://www.studentserivces.qut.edu.au/apply/ug/info/knowledge.jsp
Total credit points: 48
Course coordinator: Dr Ernest Foo
Campus: Gardens Point

IT90 Graduate Certificate in IT (Computer Networks)

4 Units to be completed

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<td>Internet Protocols and Services</td>
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<td>INN351</td>
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UNIT SYNOPSISES

INN350 INTERNET PROTOCOLS AND SERVICES
An understanding of the theoretical and practical concepts of network protocols and services is highly useful and relevant to network engineers and others working in the Information Processing industries. This unit introduces you to Internet protocols and the design, implementation and operation of network based applications. Theory and practical skills taught in this unit will be useful if you intend undertaking further networking units.

Prerequisites: INN350
Equivalents: ITN525, ITN535, ITN721
Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Teaching period: 2010 SEM-1

INN351 UNIX NETWORK ADMINISTRATION
The aim of this unit is to provide students with a working knowledge of the technical aspects and theory of network administration and management. The unit uses the Unix environment as the learning platform for attaining technical skills and for the development of problem solving skills necessary to be a successful networking professional.

Prerequisites: INN350
Assumed knowledge: INN251 is assumed knowledge.
Equivalents: ITN725, ITN535
Credit points: 12
Campus: Gardens Point
Teaching period: 2010 SEM-1

INN353 WIRELESS AND MOBILE NETWORKS
This unit provides you with the skills to be able to design and understand the issues involved with different types of wireless communications systems. It develops your knowledge of Wide Area Networks (WANs), Local Area Networks (LANs) and Personal Area Networks (PANs) as well as skills in programming for mobile handsets. You will also develop knowledge of the different types of wireless communications technologies available and when each is most applicable in a particular situation.

Prerequisites: INN350
Antirequisites: INB353
Assumed knowledge: INN251 is assumed knowledge.
Equivalents: ITB723, ITN721
Credit points: 12
Contact hours: 3 per week
Campus: Gardens Point
Teaching period: 2010 SEM-1

INN650 ADVANCED NETWORK MANAGEMENT
Computer networks are an essential component of modern civilization. Students undertaking this unit will have previously learned the fundamental theory and practical aspects of network administration and management. This unit builds upon that foundation and extends the knowledge and skills to enterprise wide networks which are significantly more complex than small networks. Security of enterprise wide networks is an important issue in this unit, along with network management systems.

Prerequisites: INB351, INN351, ITN721 or ITB721
Assumed knowledge: INN251 is assumed knowledge.
Equivalents: ITN771
Credit points: 12
Campus: Gardens Point
Teaching period: 2010 SEM-1