


Play your cards right, choose a...

# TECHNOLOGY CAREER

[www.queenslandstem.edu.au](http://www.queenslandstem.edu.au)

**A** ♦



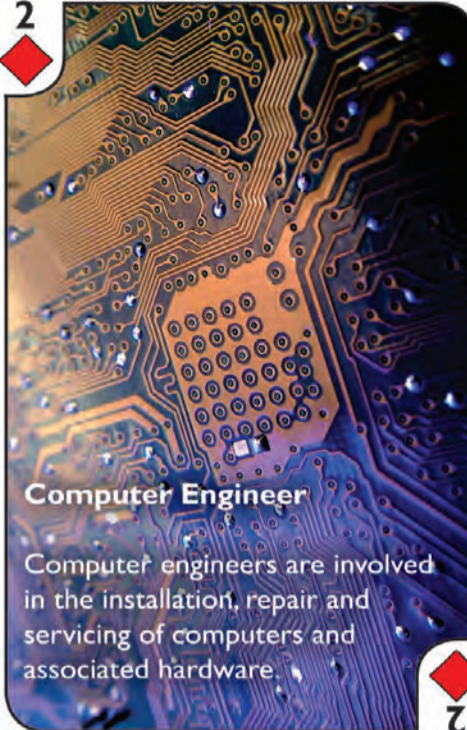
**How to ace a job in .... Technology**

Choose from these study options in years 11 and 12 -

- Mathematics B • Mathematics C
- Information & Communications Technology
- Information Processing & Technology
- Information Technology Systems
- Physics
- Graphics

♦ **A**

**2** ♦

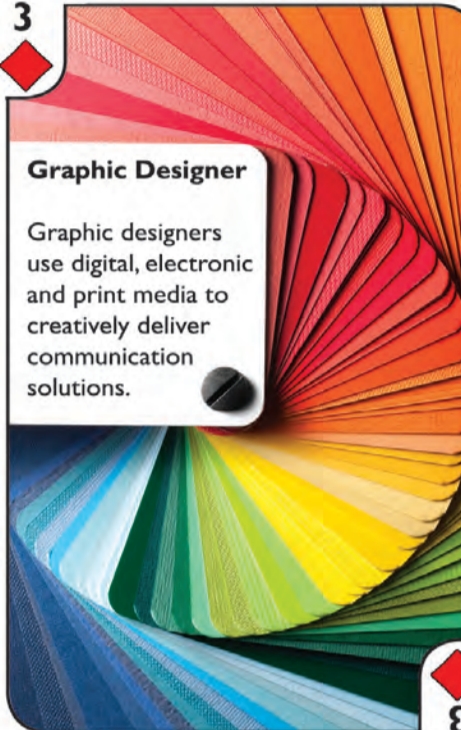


**Computer Engineer**

Computer engineers are involved in the installation, repair and servicing of computers and associated hardware.

♦ **2**

**3** ♦



**Graphic Designer**

Graphic designers use digital, electronic and print media to creatively deliver communication solutions.

♦ **3**

**4** ♦




**Games Developer**

Games developers design, create and produce computer or video games and work with artists, programmers, producers and marketing staff.

They usually specialise in a particular game platform (PlayStation, Xbox or Nintendo) and a particular aspect of game development, such as programming artificial intelligence or gameplay.

♦ **4**

**5** ♦



**Geographic Information Systems (GIS) Officer**

GIS officers design, develop and customise geographic information systems and provide technical and analytical support for environmental management, exploration and mining, land ownership and titles, urban and regional planning, utilities and asset management, and demographic marketing.

♦ **5**

**6** ♦



**Instructional Designer**

Instructional designers use a variety of technologies and software platforms to create interactive media to support learning in settings such as educational institutions and workplaces.

♦ **9**

**7** ♦



**Medical Imaging Technologist**

Medical imaging technologists operate X-ray and other imaging equipment, such as magnetic resonance imaging (MRI) and ultrasound, to produce radiographic images for the diagnosis and subsequent management of disease or injury.

♦ **7**

**8** ♦

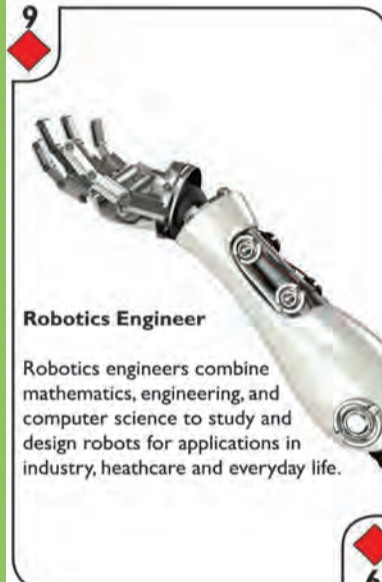


**Multimedia Developer**

Multimedia developers generate and manipulate graphic images, animations, sound, text and video into consolidated and seamless multimedia applications. Multimedia applications include computer-based interactive training, data presentation and information kiosks, CD-ROMs, entertainment and educational products, and multimedia presentations.

♦ **8**

**9** ♦



**Robotics Engineer**

Robotics engineers combine mathematics, engineering, and computer science to study and design robots for applications in industry, healthcare and everyday life.

♦ **6**

**10** ♦



**Software Engineer**

Software engineers use principles of computer science, engineering, design, management, psychology, sociology and other disciplines to design and manage large software systems.

♦ **01**

**J** ♦



**Surveyor**

Surveyors measure, analyse and report land-related information for the planning and regulation of land, sea and the environment.

♦ **1**

**Q** ♦



**Systems Designer**

Systems designers (IT) create detailed design documentation for the development and integration of computer systems to meet the needs of businesses.

♦ **0**

**K** ♦



**Web Designer/Developer**

Web designers/developers design, create, produce and maintain websites using relevant software packages to provide interactive experiences for users.

♦ **K**