DIPLOMA OF
SOFTWARE DEVELOPMENT (ICT50715)

The Diploma of Software Development delivers the vocational expertise participants require to specialise in the creation, implementation, and management of new software builds. A number of relevant and complementary IT vendor certifications relate to the diploma, which has been created with a blend of vendor specific, vendor neutral, and trainer developed materials in the interests of industry benchmarking and product specific training. The qualification has a strong ICT base with the potential for inclusion of a range of broader design and multimedia units to suit particular needs.

Who Should Attend
The diploma articulates the knowledge and aptitudes required by individuals to perform at a high level in demanding project management roles within organisations. Diploma of Software Development participants are well placed for rewarding careers as analyst programmer support, assistant programming developers, assistant software developers, database support programmers, and web support programmers.

Course Structure
The Diploma of Software Development has been created with a blend of vendor specific, vendor neutral and trainer developed materials. Vendor training is recognised internationally as an industry benchmark for product specific training. Upskilled uses an online Learning Management System to manage the delivery, assessment and learning resources. The program is conducted over a 12 month period through a blended learning approach of teacher led, distance and online materials.

The program is broken into 4 logical clusters of training within the broad category of ICT systems: 1/ Core Infrastructure; 2/ Continuity & Security; 3/Continuous Improvement; and 4/ Service Delivery & Governance. Visit the Upskilled website for more information.

Pathways to the Diploma
Preferred pathways for candidates considering this qualification include:
- After achieving ICT40515 Certificate IV in Programming, or other relevant qualifications or units equivalent to the core of ICT40515 OR
- With demonstrated vocational experience in a range of programming-related work environments in software programming, application programming, web development or similar.

Recognition of Prior Learning (RPL)
Participants often come to the diploma program with experience in one or more ICT competencies, vocationally acquired from a range of sources (both formal and otherwise). Upskilled acknowledges the validity of such experience and encourages candidates to apply for Recognition of Prior Learning where applicable. Upskilled’s RPL Calculator is a guide to initial RPL standing, although participants are sometimes entitled to further RPL as enrolment progresses.

Assessment
Assessment is summative and formative with set assignments, project work and questionnaires.

Inclusions
Upskilled Information Technology courses include detailed learning materials, assessments, online trainer support and certification upon successful completion.
Course Outline
The Online e-Learning course will address the following units of Competence from the National ICT Information and Communications Technology Training Package. All of these competencies must be successfully completed to gain the Diploma of Software Development.

<table>
<thead>
<tr>
<th>UNIT CODE</th>
<th>COMPULSORY UNITS</th>
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<tbody>
<tr>
<td>ICTPRG418</td>
<td>Apply intermediate programming skills in another language</td>
</tr>
<tr>
<td>ICTPRG501</td>
<td>Apply advanced object-oriented language skills</td>
</tr>
<tr>
<td>ICTPRG503</td>
<td>Debug and monitor applications</td>
</tr>
<tr>
<td>ICTPRG504</td>
<td>Deploy an application to a production environment</td>
</tr>
<tr>
<td>ICTPRG520</td>
<td>Validate an application design against specifications</td>
</tr>
<tr>
<td>ICTPRG523</td>
<td>Apply advanced programming skills in another language</td>
</tr>
<tr>
<td>ICTPRG527</td>
<td>Apply intermediate object-oriented language skills</td>
</tr>
<tr>
<td>ICTPRG529</td>
<td>Apply testing techniques for software development</td>
</tr>
<tr>
<td>ICTPRG502</td>
<td>Manage a project using software management tools</td>
</tr>
<tr>
<td>ICTICT418</td>
<td>Contribute to copyright, ethics and privacy in an ICT environment</td>
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<table>
<thead>
<tr>
<th>UNIT CODE</th>
<th>ELECTIVE UNITS</th>
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</thead>
<tbody>
<tr>
<td>ICTPRG508</td>
<td>Create mashups</td>
</tr>
<tr>
<td>ICTPRG515</td>
<td>Review developed software</td>
</tr>
<tr>
<td>ICTPRG514</td>
<td>Prepare for software development using rapid application development</td>
</tr>
<tr>
<td>ICTPRG604</td>
<td>Create cloud computing services</td>
</tr>
<tr>
<td>ICTPMG501</td>
<td>Manage ICT projects</td>
</tr>
<tr>
<td>ICTICT509</td>
<td>Gather data to identify business requirements</td>
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Course Fees and Payment Options
The diploma has a course fee of $3,890, payable in one of two ways:
1. A single upfront payment of the course fees attract a **10% DISCOUNT**, making the total fee $3,500
2. An upfront enrolment fee of $495, and 7 x $485 paid per month for seven consecutive months. The total course fee is therefore $3,890

How to Apply
Whether you’re inquiring as an individual, or as a manager acting on behalf of one or more employees, the easiest way to apply is to contact Upskilled:
- Select from more than 80 nationally accredited certificate and diploma courses
- Complete an application form at [www.upskilled.edu.au](http://www.upskilled.edu.au)
- Submit the form and an Upskilled Education Manager will contact you

Vendor Courses
- Microsoft Academy Windows Server
- Microsoft Academy Visual Studio
- Microsoft Academy .NET

Vendor Neutral Courses
- Project Management
- HTML/CSS
- Java

Upskilled Workshops
- Privacy, Ethics and Copyright
- Business Need
- Testing
- Disaster Recovery
- Cloud Computing
- Service Desk Analyst 2
- Technical Documentation

Other Related Qualifications
- Diploma of Information Technology (ICT50115)
- Diploma of Information Technology Systems Administration (ICT50315)
- Diploma of Information Technology Networking (ICT50415)
- Diploma of Database Design and Development (ICT50515)
- Diploma of Website Development (ICT50615)
- Diploma of Systems Analysis and Design (ICT50815)