



## **Diploma in Software Development**

### **Program Overview**

The Diploma in Software Development is designed for individuals seeking to develop practical programming skills for entry into the ICT/software development industry. Learners will gain the skills to design, develop, test, and debug applications across web, desktop, and database environments. This qualification reflects job roles where individuals support software development teams, write and maintain code, collaborate with technical stakeholders, and apply problem-solving in real-world IT environments.

### **Possible Career Opportunities:**

- Junior Programmer / Developer
- Software Support Technician
- Web Application Developer
- Mobile App Developer (Entry-Level)
- Technical Support / ICT Assistant
- Database Assistant Administrator

### **Entry Requirements:**

- Completed Year 13 or Pass in Year 12 or
- Work experience in relevant industry sector or
- Met the mature student criteria.

(If above not met, must pass vocational literacy and numeracy test set by OIT.)

### **Duration & Delivery & Fees:**

- 3 to 4 Trimesters
- Blended Delivery: Face-to-Face and online through Moodle
- Total Fees - \$7,000.00

## **Unit of Competency**

### **Core Units (7)**

1. TDSD 510 - Apply introductory programming techniques
2. TDSD 511 - Implement object-oriented programming principles
3. TDSD 512 - Apply critical thinking in ICT problem solving
4. TDSD 513 - Communicate effectively in a technical team
5. TDSD 514 - Apply IP, privacy, and ethics in ICT environments
6. TDSD 515 - Manage client and user support interactions
7. TDSD 516 - Design and develop basic application interfaces

### **Elective Units (11)**

#### Programming & Application Development

1. TDSD 517 Develop structured programming logic
2. TDSD 518 Create and test simple web applications
3. TDSD 519 Develop database-driven applications
4. TDSD 520 Apply data persistence & file handling techniques
5. TDSD 521 Debug and monitor code in development environments

#### Web Development

6. TDSD 522 Create dynamic and interactive web pages
7. TDSD 523 Style and format web elements using UI design guidelines

#### Application Testing & Deployment

8. TDSD 524 Apply software testing procedures
9. TDSD 525 Version control and source code management

#### General ICT Supporting Electives

10. TDSD 526 Install and configure operating systems or development tools
11. TDSD 527 Follow cyber security policies in developer environments

For further information, please contact on email [info@oit.ac.fj](mailto:info@oit.ac.fj) or phone (679) 835 2627 / (679) 672 0123

For enrolment, please visit OIT Namaka Campus, Level 1, Challenge Plaza, Namaka, Nadi or apply online via <https://oit.ac.fj/qualification-application-form/>

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