

Professional Orientation *(professional context)*

- Ethics
- Professionalism
- Teamwork
- Interpersonal Communication
- History and status of ICT

Organisational Orientation *(workplace and societal context)*

- Organisational structures and behavior
- Legal frameworks/privacy issues
- Business process/digital disruption
- Innovation/entrepreneurship

Work Integrated Learning *(where professional, workplace, societal specialist, development, application and management issues come together)*

- Problem solving, abstraction and design
- Workplace orientation

Work Integrated Knowledge *(reflective of major career groupings in the industry as well as those that span development, application and management skills areas)*

- Systems design (incl HCI)
- Security
- Services/outsourcing
- Business analysis/change management

Systems & Technology Development

- Programming
- Systems development
- Systems acquisition

Systems & Technology Application

- Hardware and software fundamentals
- Data and information management
- Networking

Systems & Technology Management

- Governance
- Projects
- People

7 major facets of ICT professional knowledge:

- Professional orientation;
- Organisational orientation;
- Work integrated learning;
- Work integrated knowledge;
- S&T development;
- S&T application; and
- S&T management.

ICT professionals should be able to demonstrate a conceptual awareness of all areas of ICT but should only have to demonstrate skills (in depth) in areas in which they decide to specialize (areas in dark blue).