International Baccalaureate
Information Technology in a
Global Society

IB6613  36 weeks

This course content is developed by the International Baccalaureate Organization (IBO). Here is an overview of the course (https://www.ibo.org/programmes/diploma-programme/curriculum/individuals-and-societies/information-technology-in-a-global-society/).

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Course Description
Suggested Grade Level: 10 or 11 or 12

Information Technology in a Global Society is a recognized International Baccalaureate (IB) course. This course is designed to promote an understanding and appreciation of the social significance of information technology and networking as students critically analyze and evaluate the influences and ethical considerations arising from the widespread use of information technology and networking. The course focuses on how information systems and networks are used to process and exchange information for control, analysis, and communications.

IB course curricula is available only to IB-identified schools. IB teachers can access them from programme communities within My IB (https://internationalbaccalaureate.force.com/ibportal/IBPortalLogin?lang=en_US).

Appendix: Credentials, Course Sequences, and Career Cluster Information

Industry Credentials

- Cloud Essentials Certification Examination
- College and Work Readiness Assessment (CWRA+)
- Microsoft 365 Fundamentals Examination
- Microsoft Certified Azure Fundamentals Examination
- Microsoft Dynamics 365 Fundamentals Examination
- Microsoft Office Specialist (MOS) Examinations
- Microsoft Technology Associate (MTA) Examinations
- National Career Readiness Certificate Assessment
- Network Pro Certification Examination
- PC Pro Certification Examination
• Security Pro Certification Examination
• Workplace Readiness Skills for the Commonwealth Examination

Concentration Sequences
A combination of this course and those below, equivalent to two 36-week courses, is a concentration sequence. Students wishing to complete a specialization may take additional courses based on their career pathways. A program completer is a student who has met the requirements for a CTE concentration sequence and all other requirements for high school graduation or an approved alternative education program.

- Accounting (6320/36 weeks)
- Accounting, Advanced (6321/36 weeks)
- Business Law (6131/36 weeks)
- Business Law (6132/18 weeks)
- Business Management (6135/36 weeks)
- Business Management (6136/18 weeks)
- Computer Information Systems (6612/36 weeks)
- Computer Information Systems (6614/18 weeks)
- Computer Information Systems, Advanced (6613/36 weeks)
- Computer Information Systems, Advanced (6615/18 weeks)
- Computer Network Software Operations (6650/36 weeks)
- Computer Network Software Operations, Advanced (6651/36 weeks)
- Cybersecurity Software Operations (6304/36 weeks)
- Database Design and Management (Oracle) (6660/36 weeks)
- Database Design and Management with PL/SQL (Oracle) (6662/36 weeks)
- Design, Multimedia, and Web Technologies (6630/36 weeks)
- Design, Multimedia, and Web Technologies (6632/18 weeks)
- Design, Multimedia, and Web Technologies, Advanced (6631/36 weeks)
- Design, Multimedia, and Web Technologies, Advanced (6633/18 weeks)
- Digital Applications (6611/36 weeks)
- Digital Applications (6617/18 weeks)
- Information Technology Fundamentals (6670/36 weeks)
- Java Programming (Oracle) (6661/36 weeks)
- Legal Administration (6735/36 weeks)
- Legal Administration (6736/18 weeks)
- Medical Administration (6730/36 weeks)
- Medical Administration (6731/18 weeks)
- Office Administration (6621/36 weeks)
- Office Administration (6622/18 weeks)
- Office Specialist I--Preparation (6740/36 weeks)
- Office Specialist II--Preparation (6741/36 weeks)
- Office Specialist III--Preparation (6742/36 weeks)
- Principles of Business and Marketing (6115/36 weeks)
- Principles of Business and Marketing (6116/18 weeks)
• Programming (6640/36 weeks)
• Programming, Advanced (6641/36 weeks)

Career Clusters/Pathways/Occupations

• Business Management and Administration
  o Business Information Management
   ▪ Account Executive
   ▪ Applications Integrator
   ▪ Database Analyst
   ▪ Software Test Engineer
   ▪ Systems Analyst

• Information Technology
  o Information Support and Services
   ▪ Account Executive
   ▪ Applications Integrator
   ▪ Database Analyst
   ▪ Information Systems Analyst
   ▪ Software Test Engineer
   ▪ Systems Analyst

• Science, Technology, Engineering, and Mathematics (STEM)
  o Engineering and Technology
   ▪ Computer Hardware Engineer
   ▪ Computer Programmer
   ▪ Computer Software Engineer
   ▪ Network and Computer Systems Administrator
   ▪ Network Systems and Data Communication Analyst
   ▪ Production, Planning, Expediting Clerk
   ▪ Project Manager
   ▪ Stockroom, Warehouse, or Storage Yard Stock Clerk
   ▪ Technical Writer
   ▪ Telecommunications Specialist
   ▪ Transportation Manager