Computer Information Technology (9720)

Associate of Technical Studies Degree

The Associate of Technical Studies Degree in Computer Information Technology prepares or upgrades the graduate for career objectives requiring more than one computer-related specialization. Specializations can be combined from within, but not limited to, areas such as network support, end-user support, data analysis, software design and development, web content design and development, and media studies. Available courses include those that prepare for industry certification from Oracle, Microsoft, CompTIA, Cisco, and Google. In addition to employment opportunities, students have the option to continue their education beyond the two-year associate degree program by enrolling in bachelor degree programs at local universities.

The student will be required to complete a sequence of core IT courses which will fulfill the necessary prerequisites before taking additional technical courses. Students will then select the appropriate additional technical courses from multiple areas of study with assistance from an Information Technology & Computer Science/ATS faculty advisor.

Admission requirements include the creation of an individualized degree plan in conjunction with and approved by at least two Information Technology & Computer Science faculty members. Courses taken prior to approval of the degree plan may or may not be approved for inclusion in this degree program.

Required Technical Courses

Core IT Courses

Course	Title	Credit Hours
Core IT courses		
ITCS 1010	Programming Logic 🎓	3
ITIS 1007	Principles of Information Technology and Computer Science 🎓	3
ITIS 2890	Information Technology and Computer Science Capstone 🎓	2
ITON 1070	Operating Systems: Skills and Techniques 🎓	1
ITCS 2010	Systems Analysis and Design	3
or ITIS 2015	Information Technology Project Management	
ITON 1205 🎓	Network+ and Networking Essentials	2
or CNET 1100	Cisco Networking Technology I	
Select any ITDB course		3
Total Credit Hours		**17**

Additional approved technical courses selected from within at least two of the following areas

Course	Title	Credit Hours
Programming and Computer Science (ITCS) 🎓		
Database (ITDB) 🎓		
Operating Systems and Networking (ITON) 🎓		
Information Systems (ITIS) 🎓		
Cisco Networking Technology (CNET) 🎓		
Media Technology (MDIA) 🎓		

Technical Course Summary

Course	Title	Credit Hours
Core IT Courses 🎓		**17**
Additional Technical Credits 🎓		**15**
Total Credit Hours		**32**

🎓   This course is designated as a technical course in the program. Students must earn a "C" grade or higher in the course to fulfill the college's graduation requirements policy.

Required Non-Technical Courses

General Studies Courses

Course	Title	Credit Hours
ENGL 1110	English Composition I (A) [1]	3
or ENGL 1111	English Composition I (B)	
MATH 1600	Survey of College Mathematics (or higher) [2]	3
Select course(s) from the Arts and Humanities Electives list		3
Select course(s) from the Natural Sciences Electives list		3
Select course(s) from the Social and Behavioral Sciences Electives list		3
Total Credit Hours		**15**

Basic/Related Courses

Course	Title	Credit Hours
BUSM 1300	Introduction to Business	3
BUSM 2400	Business Communication	3
FYEX 1000	First Year Experience	1
Additional approved courses selected from the following:		**8**
Accounting (ACCT)		
Business Management and Marketing (BUSM)		
Total Credit Hours		**15**

Technical and Non-Technical Course Summary

Course	Title	Credit Hours
Total Required Technical Course Credits		
-- Core IT Courses 🎓		17
-- Additional Technical Credits 🎓		15
Total Required Non-Technical Course Credits		
-- General Studies Courses		15
-- Basic/Related Courses		15
Total Credit Hours		**62**

[1]   English course selection is based on placement test results (ENGL 1111 English Composition I (B) is 4 credits, only 3 credits apply to the degree).

[2]   Students planning to transfer to a four-year college should take a sequence of math as advised by their counselor.

Electives

Course	Title	Credit Hours
Natural Science		
CHEM 1050	Chemistry in the Everyday World	3
PSCI 1300	Earth Science	3
PSCI 1400	Introduction to Meteorology	3
Any other Natural Sciences laboratory course included in the Ohio Transfer 36		
Arts and Humanities		
ARTS 1120	Art Appreciation	3
ARTS 2220	Survey of Art I	3
ARTS 2230	Survey of Art II	3
ENGL 2250	Survey of American Literature I	3
ENGL 2260	Survey of American Literature II	3
ENGL 2280	Survey of British Literature I	3
ENGL 2290	Survey of British Literature II	3
HUMX 1100	Introduction to Humanities	3
MUSC 1200	Music Appreciation	3
MUSC 1215	World Music	3

MUSC 1800	Popular Music: Rock, Jazz, Country, and Hip-Hop	3
MUSC 2200	Music History and Literature I	3
MUSC 2250	Music History and Literature II	3
PHIL 1500	Introduction to Philosophy	3
PHIL 2000	Comparative Religion	3
PHOT 1000	History of Photography	3

Social and Behavioral Science

ANTH 1160	Introduction to Cultural Anthropology	3
ECON 1150	Basic Economics	3
ECON 2500	Principles of Macroeconomics	3
ECON 2600	Principles of Microeconomics	3
GEOG 1500	Introduction to Geography	3
GEOG 1600	World Regional Geography	3
HIST 1150	Western Civilization I: Antiquity Through the Reformation	3
HIST 1250	Western Civilization II: Age of Revolution Through the Present	3
HIST 2150	U.S. History: Colonization Through Reconstruction	3
HIST 2250	U.S. History: Reconstruction to the Present	3
POLS 1300	U.S. National Government	3
POLS 2500	Modern Political Ideologies	3
PSYC 1500	Introduction to Psychology	3
SOCY 1150	Principles of Sociology	3