INFORMATION TECHNOLOGY - A.A.B.

Description
The Associate of Applied Business degree in Information Technology provides students with a core curriculum of programming, operating systems and networks, website development, hardware, security fundamentals, and workgroup productivity technologies.

The degree program articulates to the Bachelor of Science in Information Technology degree and the certificate in Computer Forensics and Information Security.

The Information Technology major comprises the following concentrations:

- The Application Development Technology concentration prepares students for various professional certifications and positions such as computer programmer/application developer using industry-standard languages and technologies.
- The General Technology concentration prepares students for various professional certifications and entry level positions in which the computer staff are expected to perform a wide variety of technical duties.
- The Internet/Multimedia Technology concentration prepares students for various professional certifications and positions in Web development, social media and digital media.
- The Network Technology concentration prepares students for various professional certifications and positions in tech support and networking including the design, installation, and improvement of computer networks and related hardware/software.

Fully Offered At:
- Online
- Ashtabula Campus
- East Liverpool Campus
- Geauga Campus
- Salem Campus
- Trumbull Campus
- Tuscarawas Campus
- Regional Academic Center in Twinsburg

Admission Requirements
The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

Kent State campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, and the Regional Academic Center in Twinsburg, have open enrollment admission for students who hold a high school diploma, GED or equivalent.

For more information on admissions, contact the Regional Campuses admissions offices.

Program Learning Outcomes
Graduates of this program will be able to:

1. Demonstrate core IT competency in networking and convergence; servers, storage and virtualization; client computing and user support; digital media and immersive technology; database and information management; and programming and application development
2. Function effectively as a member of a diverse team to accomplish common goals
3. Read and interpret technical information, as well as listen effectively to, communicate orally with, and write clearly for a wide range of audiences
4. Engage in continuous learning as well as research and assess new ideas and information to provide the capabilities for lifelong learning
5. Exhibit professional, legal and ethical behavior
6. Demonstrate business awareness and workplace effectiveness

University Requirements
All students in an applied or technical associate degree program at Kent State University must complete the following university requirements for graduation.

NOTE: University requirements may be fulfilled in this program by specific course requirements, please see Program Requirements for details.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Destination Kent State: First Year Experience</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Course is not required for students with 25 transfer credits, excluding College Credit Plus, or age 21+ at time of admission.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Kent Core (see table below)</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hour Requirement</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Some associate degrees require students to complete more than 60 credit hours.</td>
<td></td>
</tr>
</tbody>
</table>

Kent Core Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kent Core Composition (KCMP)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Kent Core Mathematics and Critical Reasoning (KMCR)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Kent Core Humanities and Fine Arts (KHUM/KFA)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Kent Core Social Sciences (KSS)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Kent Core Basic Sciences (KBS/KLAB)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours:</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Program Requirements

Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 11002</td>
<td>VISUAL BASIC PROGRAMMING</td>
<td>3</td>
</tr>
<tr>
<td>or IT 13000</td>
<td>APPLIED SECURITY ESSENTIALS</td>
<td></td>
</tr>
</tbody>
</table>
IT 11004
SURVEY OF INFORMATION TECHNOLOGY
3

IT 11005
INTRODUCTION TO OPERATING SYSTEMS AND NETWORKING TECHNOLOGY
3

IT 11006
INTRODUCTION TO WEB SITE TECHNOLOGY
3

IT 11009
COMPUTER ASSEMBLY AND CONFIGURATION
4

IT 21002
NETWORK SETUP AND CONFIGURATION
4

IT 21009
SEMINAR IN COMPUTER TECHNOLOGY
3

IT 21010
WORKGROUP PRODUCTIVITY SOFTWARE
3

Additional Requirements (courses do not count in major GPA)

ENG 20002
INTRODUCTION TO TECHNICAL WRITING
3
or OTEC 26638
BUSINESS COMMUNICATIONS

IT 11000
INTRODUCTION TO OFFICE PRODUCTIVITY APPS
3
or IT 21007
INTERNET ETHICS AND POLICIES

IT 12000
INTERMEDIATE OFFICE PRODUCTIVITY APPS
3

UC 10097
DESTINATION KENT STATE: FIRST YEAR EXPERIENCE
1

Business Elective, choose from the following: 3-4

ACTT 11000
ACCOUNTING I: FINANCIAL

BMRT 11000
INTRODUCTION TO BUSINESS

BMRT 11009
INTRODUCTION TO MANAGEMENT TECHNOLOGY

OTEC 16625
BUSINESS PRESENTATIONS

OTEC 26635
ADMINISTRATIVE RESOURCE MANAGEMENT

OTEC 26640
CURRENT TECHNOLOGIES

Kent Core Composition
3

Kent Core Mathematics and Critical Reasoning
3

Kent Core Humanities and Fine Arts
3

Kent Core Basic Sciences
3

Concentrations

Choose from the following: 9-10

Application Development Technology

General Technology

Internet/Multimedia Technology

Network Technology

Minimum Total Credit Hours: 63-64

Application Development Technology Concentration Requirements

Code Title Credit Hours

Concentration Requirements (courses count in major GPA)

IT 21005
VISUAL BASIC DATABASE PROGRAMMING
4

Concentration Electives, choose from the following: 6

IT 20001 C++ PROGRAMMING

IT 20011 JAVA PROGRAMMING

IT 20021 C# PROGRAMMING

IT 21036 WEB SCRIPTING I

Minimum Total Credit Hours: 10

General Technology Concentration Requirements

Code Title Credit Hours

Concentration Requirements (courses count in major GPA)

Information Technology (IT) Electives
9

Minimum Total Credit Hours: 9

Internet/Multimedia Technology Concentration Requirements

Code Title Credit Hours

Concentration Requirements (courses count in major GPA)

IT 21007
INTERNET ETHICS AND POLICIES
3
or IT 21036 WEB SCRIPTING I

IT 21011
TECHNIQUES OF MULTIMEDIA WEB DESIGN
3

Information Technology (IT) Elective
3

Minimum Total Credit Hours: 9

Network Technology Concentration Requirements

Code Title Credit Hours

Concentration Requirements (courses count in major GPA)

Information Technology (IT) Elective
3

Concentration Electives, choose from the following: 6

IT 21100
LOCAL AREA NETWORK TROUBLESHOOTING

IT 21110
INTRODUCTION TO ROUTING AND SWITCHING

IT 21200
ETHICAL HACKING

Minimum Total Credit Hours: 9

Graduation Requirements

Minimum Major GPA
2.000

Minimum Overall GPA
2.000

Roadmap

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses designated as critical (!) must be completed in the semester listed to ensure a timely graduation.

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 11000 or IT 21007</td>
<td>3</td>
</tr>
<tr>
<td>or IT 21007</td>
<td>3</td>
</tr>
<tr>
<td>CONCENTRATION REQUIREMENTS (COURSES COUNT IN MAJOR GPA)</td>
<td></td>
</tr>
<tr>
<td>IT 11000</td>
<td>INTRODUCTION TO OFFICE PRODUCTIVITY APPS</td>
</tr>
<tr>
<td>or IT 11007</td>
<td>INTERNET ETHICS AND POLICIES</td>
</tr>
<tr>
<td>! IT 11004</td>
<td>SURVEY OF INFORMATION TECHNOLOGY</td>
</tr>
<tr>
<td>! IT 1106</td>
<td>INTRODUCTION TO WEB SITE TECHNOLOGY</td>
</tr>
<tr>
<td>! IT 1109</td>
<td>COMPUTER ASSEMBLY AND CONFIGURATION</td>
</tr>
<tr>
<td>! IT 12000</td>
<td>INTERMEDIATE OFFICE PRODUCTIVITY APPS</td>
</tr>
<tr>
<td>UC 10097</td>
<td>DESTINATION KENT STATE: FIRST YEAR EXPERIENCE</td>
</tr>
<tr>
<td>Kent Core Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Credit Hours</td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester Two</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 20002 or OTEC 26638</td>
<td>3</td>
</tr>
<tr>
<td>! IT 21002</td>
<td>INTRODUCTION TO TECHNICAL WRITING</td>
</tr>
<tr>
<td>or OTEC 26638</td>
<td>BUSINESS COMMUNICATIONS</td>
</tr>
<tr>
<td>! IT 21007</td>
<td>INTRODUCTION TO OPERATING SYSTEMS AND NETWORKING TECHNOLOGY</td>
</tr>
<tr>
<td>! IT 21010</td>
<td>WORKGROUP PRODUCTIVITY SOFTWARE</td>
</tr>
<tr>
<td>! UC 10097</td>
<td>DESTINATION KENT STATE: FIRST YEAR EXPERIENCE</td>
</tr>
<tr>
<td>Kent Core Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Credit Hours</td>
<td>16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester Three</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>! IT 21002</td>
<td>NETWORK SETUP AND CONFIGURATION</td>
</tr>
<tr>
<td>! IT 21010</td>
<td>WORKGROUP PRODUCTIVITY SOFTWARE</td>
</tr>
<tr>
<td>Business Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>Concentration Requirement or Elective</td>
<td>3-4</td>
</tr>
<tr>
<td>Semester Four</td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>---</td>
</tr>
<tr>
<td>IT 21009</td>
<td>SEMINAR IN COMPUTER TECHNOLOGY</td>
</tr>
<tr>
<td></td>
<td>Concentration Electives</td>
</tr>
<tr>
<td></td>
<td>Kent Core Requirement</td>
</tr>
<tr>
<td></td>
<td>Kent Core Requirement</td>
</tr>
<tr>
<td><strong>Credit Hours</strong></td>
<td></td>
</tr>
</tbody>
</table>

Minimum Total Credit Hours: 63-64