INFORMATION TECHNOLOGY - A.A.B.

College of Applied and Technical Studies
www.kent.edu/cats

Contact Information
• Program Coordinator: Will Ward | wward@kent.edu | 330-847-0571
  Ruth Watson | rwatson@kent.edu | 330-675-7622
• Speak with an Advisor
  • Ashtabula Campus
  • East Liverpool Campus
  • Geauga Campus
  • Salem Campus
  • Stark Campus
  • Trumbull Campus
  • Tuscarawas Campus
  • Twinsburg Academic Center
  • Online (any campus above)
• Chat with an Admissions Counselor

Fully Offered
• Online
  • Ashtabula Campus
  • East Liverpool Campus
  • Geauga Campus
  • Salem Campus
  • Stark Campus
  • Trumbull Campus
  • Tuscarawas Campus
  • Twinsburg Academic Center

Examples of Possible Careers
• Computer operations manager
• Database manager
• E-commerce network administrator
• LAN manager
• Manager of Internet/Intranet technology
• Manager of voice and data communications
• Network administrator
• Technical Support Manager
• Web architect/developer

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.

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 Twinsburg Academic Center, 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>
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<tr>
<td></td>
<td>Kent Core (see table below)</td>
<td>15</td>
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<tr>
<td></td>
<td>Total Credit Hour Requirement</td>
<td>60</td>
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<tr>
<td></td>
<td>Some associate degrees require students to complete more than 60 credit hours.</td>
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**Kent Core Requirements**

- Kent Core Composition (KCMP) 3
- Kent Core Mathematics and Critical Reasoning (KMCR) 3
- Kent Core Humanities and Fine Arts (KHUM/KFA) 3
- Kent Core Social Sciences (KSS) 3
- Kent Core Basic Sciences (KBS/KLAB) 3

**Total Credit Hours:** 15

**Program Requirements**

**Major Requirements**

- **Major Requirements (courses count in major GPA)**
  - IT 11002 VISUAL BASIC PROGRAMMING 3
  - or IT 13000 APPLIED SECURITY ESSENTIALS 3
  - 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 INFORMATION 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 3
  - IT 11000 INTRODUCTION TO OFFICE PRODUCTIVITY APPS 3
  - or IT 21007 CYBER ETHICS IN INFORMATION TECHNOLOGY 3
  - 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 Social Sciences 3

**Application Development Technology Concentration Requirements**

- **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**

- **Concentration Requirements (courses count in major GPA)**
  - Information Technology (IT) Electives 9

- Minimum Total Credit Hours: 9

**Internet/Multimedia Technology Concentration Requirements**

- **Concentration Requirements (courses count in major GPA)**
  - IT 21007 CYBER ETHICS IN INFORMATION TECHNOLOGY 3
  - or IT 21036 WEB SCRIPTING I 3
  - IT 21011 TECHNIQUES OF MULTIMEDIA WEB DESIGN 3

- Information Technology (IT) Elective 3

- Minimum Total Credit Hours: 9

**Network Technology Concentration Requirements**

- **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>
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<tbody>
<tr>
<td>IT 11000 or IT 21007</td>
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<tr>
<td>INTRODUCTION TO OFFICE PRODUCTIVITY APPS or CYBER ETHICS IN INFORMATION TECHNOLOGY</td>
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<td>IT 11002 or IT 13000</td>
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<td>UC 10097</td>
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<table>
<thead>
<tr>
<th>Semester Two</th>
<th>Credits</th>
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<tr>
<td>ENG 20002 or OTEC 26638</td>
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</tr>
<tr>
<td>INTRODUCTION TO TECHNICAL WRITING or BUSINESS COMMUNICATIONS</td>
<td></td>
</tr>
<tr>
<td>! IT 11006</td>
<td>3</td>
</tr>
<tr>
<td>INTRODUCTION TO WEB SITE TECHNOLOGY</td>
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<tr>
<td>! IT 11009</td>
<td>4</td>
</tr>
<tr>
<td>COMPUTER ASSEMBLY AND CONFIGURATION</td>
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<tr>
<td>! IT 12000</td>
<td>3</td>
</tr>
<tr>
<td>INTERMEDIATE OFFICE PRODUCTIVITY APPS</td>
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</tr>
<tr>
<td>Kent Core Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Credit Hours</td>
<td>16</td>
</tr>
</tbody>
</table>

| Semester Three | |
| ! IT 21002 | 4 |
| NETWORK SETUP AND CONFIGURATION | |
| ! IT 21010 | 3 |
| WORKGROUP PRODUCTIVITY SOFTWARE | |
| Business Elective | 3-4 |
| Concentration Requirement or Elective | 3-4 |
| Kent Core Requirement | 3 |
| Credit Hours | 16 |

| Semester Four | |
| ! IT 21009 | 3 |
| SEMINAR IN INFORMATION TECHNOLOGY | |
| Concentration Electives | 6 |
| Kent Core Requirement | 3 |
| Kent Core Requirement | 3 |
| Credit Hours | 15 |

Minimum Total Credit Hours: 63