INFORMATION TECHNOLOGY - A.A.B.
College of Applied and Technical Studies
www.kent.edu/cats

Contact Information
• CATS@kent.edu
• 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)

Fully Offered
• Delivery:
  • Fully online
  • In person
• Location:
  • 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>
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<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>
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<tr>
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<td>Kent Core (see table below)</td>
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<tr>
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<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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</table>

## 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

**Code** | **Title**                                           | **Credit Hours** |
-----------------|---------------------------------------------------|-----------------|
IT 11002 | VISUAL BASIC PROGRAMMING                          | 3               |
IT 11003 | 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

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### Kent Core Basic Sciences

**Concentrations**

- Choose from the following:
  - 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** |
-----------------|---------------------------------------------------|-----------------|
IT 21005 | VISUAL BASIC DATABASE PROGRAMMING                   | 4               |

**Concentration Requirements (courses count in major GPA)**

- 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** |
-----------------|---------------------------------------------------|-----------------|
IT 21007 | CYBER ETHICS IN INFORMATION TECHNOLOGY              | 3               |

**Concentration Requirements (courses count in major GPA)**

- 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.

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<thead>
<tr>
<th>Semester One</th>
<th>Credits</th>
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<tr>
<td>IT 11000</td>
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<td>or IT 21007</td>
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<tr>
<td>INTRODUCTION TO OFFICE PRODUCTIVITY APPS</td>
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<tr>
<td>or CYBER ETHICS IN INFORMATION TECHNOLOGY</td>
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<tr>
<td>IT 11002</td>
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<tr>
<td>or IT 13000</td>
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<td>VISUAL BASIC PROGRAMMING</td>
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<tr>
<td>or APPLIED SECURITY ESSENTIALS</td>
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<td>UC 10097</td>
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<tr>
<td>ENG 20002</td>
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<td>or OTEC 26638</td>
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<td>INTRODUCTION TO TECHNICAL WRITING</td>
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<td>or BUSINESS COMMUNICATIONS</td>
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<td>! IT 11006</td>
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<td>INTRODUCTION TO WEB SITE TECHNOLOGY</td>
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<tr>
<td>! IT 11009</td>
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<tr>
<td>COMPUTER ASSEMBLY AND CONFIGURATION</td>
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<tr>
<td>! IT 12000</td>
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<tr>
<td>INTERMEDIATE OFFICE PRODUCTIVITY APPS</td>
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<td>! IT 21002</td>
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<tr>
<td>! IT 21010</td>
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<tr>
<td>Credit Hours</td>
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Minimum Total Credit Hours: 63