INFORMATION TECHNOLOGY - A.A.B.

Regional College
rcdean@kent.edu
www.kent.edu/regional-college

Description
The Associate of Applied Business degree in Information Technology provides students with a core curriculum of programming, operating systems and networks, website development 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 entry-level positions in small- and medium-sized organizations that require computer staff 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 fields administering Windows-based systems.

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>
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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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</table>

Some associate degrees require students to complete more than 60 credit hours.

Kent Core Requirements
Kent Core Composition (KCMP) 3
Kent Core Mathematics and Critical Reasoning (KMCR) 3
Kent Core Humanities and Fine Arts (KHAM/KFA) 3
Kent Core Social Sciences (KSS) 3
Kent Core Basic Sciences (KBS/KLAB) 3
Total Credit Hours: 15

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>IT 11004</td>
<td>SURVEY OF INFORMATION TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>IT 11005</td>
<td>INTRODUCTION TO OPERATING SYSTEMS AND NETWORKING TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>IT 11006</td>
<td>INTRODUCTION TO WEB SITE TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>IT 11009</td>
<td>COMPUTER ASSEMBLY AND CONFIGURATION</td>
<td>4</td>
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</tbody>
</table>

Information Technology - A.A.B.
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 3  
IT 11000 INTRODUCTION TO OFFICE PRODUCTIVITY APPS 3  
or IT 21007 INTERNET ETHICS AND POLICIES 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  
**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**  
[AAB-IT-APDT]  
**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**  
[AAB-IT-GTEC]  
**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**  
[AAB-IT-IMMT]  
**Code**  | **Title**  | **Credit Hours**  
--- | --- | ---  
**Concentration Requirements (courses count in major GPA)**  
IT 21007 INTERNET ETHICS AND POLICIES 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**  
[AAB-IT-NWTC]  
**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>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 21010</td>
<td>WORKGROUP PRODUCTIVITY SOFTWARE</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Business Elective</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>Concentration Requirement or Elective</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>Kent Core Requirement</td>
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<tr>
<td></td>
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**Semester Four**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>IT 21009</td>
<td>SEMINAR IN COMPUTER TECHNOLOGY</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Concentration Electives</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Kent Core Requirement</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Kent Core Requirement</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Credit Hours</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

Minimum Total Credit Hours: 63-64