COMPUTER INFORMATION SYSTEMS - B.B.A.

Ambassador Crawford College of Business and Entrepreneurship
Department of Information Systems and Business Analytics
www.kent.edu/business

About This Program
The Computer Information Systems B.B.A. program combines cutting-edge coursework with hands-on experience to prepare you for a successful career in the field. With access to state-of-the-art facilities, experienced faculty and real-world opportunities, you'll develop the skills needed to thrive in a variety of tech roles. Join our program today and pave the way for a bright future in computer information systems.

Contact Information
- Program Coordinator: O. Felix Offodile | offofodi@kent.edu | 330-672-1141
- Speak with an Advisor
- Chat with an Admissions Counselor

Program Delivery
- Delivery: In person
- Location: Kent Campus

Examples of Possible Careers and Salaries*
Computer network support specialists
- 6.4% faster than the average
- 195,100 number of jobs
- $65,450 potential earnings

Computer systems analysts
- 7.4% faster than the average
- 632,400 number of jobs
- $93,730 potential earnings

Database administrators and architects
- 9.7% much faster than the average
- 132,500 number of jobs
- $98,860 potential earnings

Software developers and software quality assurance analysts and testers
- 21.5% much faster than the average
- 1,469,200 number of jobs
- $110,140 potential earnings

Computer occupations, all other
- 5.7% faster than the average
- 431,100 number of jobs
- $92,870 potential earnings

Accreditation
AACSB, International - The Association to Advance Collegiate Schools of Business

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

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.

First-Year Students on the Kent Campus: First-year admission policy on the Kent Campus is selective. Admission decisions are based upon cumulative grade point average, strength of high school college preparatory curriculum and grade trends. Students not admissible to the Kent Campus may be administratively referred to one of the seven regional campuses to begin their college coursework. For more information, visit the admissions website for first-year students.

First-Year Students on the Regional Campuses: First-year admission to Kent State’s campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, as well as the Twinsburg Academic Center, is open to anyone with a high school diploma or its equivalent. For more information on admissions, contact the Regional Campuses admissions offices.

International Students: All international students must provide proof of English language proficiency unless they meet specific exceptions. For more information, visit the admissions website for international students.

Transfer Students: Students who have attended any other educational institution after graduating from high school must apply as undergraduate transfer students. For more information, visit the admissions website for transfer students.

Former Students: Former Kent State students or graduates who have not attended another college or university since Kent State may complete the reenrollment or reinstatement form on the University Registrar’s website.

Admission policies for undergraduate students may be found in the University Catalog. Some programs may require that students meet certain requirements before progressing through the program. For programs with progression requirements, the information is shown on the Coursework tab.

Transfer Student: A minimum 2.500 overall GPA (effective spring 2023, a minimum 2.250 overall GPA) is required for admission into the major. Students who have previously attended Kent State who completed (or the equivalent of) COMM 15000, ENG 21011 and/or MATH 11010 must have
Program Requirements

Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>UC 10162</td>
<td>INTRODUCTION TO PROFESSIONAL DEVELOPMENT</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Kent Core Composition</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Kent Core Humanities and Fine Arts (minimum one course each)</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Kent Core Social Sciences (must be from two disciplines)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Kent Core Basic Sciences (must include one laboratory)</td>
<td>6-7</td>
</tr>
</tbody>
</table>

Minimum Total Credit Hours: 120

1. A minimum C must be earned to fulfill the writing-intensive requirement.
2. Substitutions will be considered by the chair of the Department of Management and Information Systems on a case-by-case basis.
3. A student changing to a program in the college, transferring, or a incoming student with college credit plus credits, may be waived out of BUS 10123 if:
   - 30 or more credit hours have been earned and any two classes (from ACCT 23020, ACCT 23021, FIN 26074, MGMT 24163, MKTG 25010 or CIS 24053) have successfully been completed.
   - 60 or more credit hours have been earned and the student has completed one course (from ACCT 23020, ACCT 23021, FIN 26074, MGMT 24163 , MKTG 25010 or CIS 24053)
   - At the discretion of the dean’s Office, the student has sufficient breadth and depth of knowledge in a business field (as demonstrated by a CLEP exam or Credit by Exam) but does not meet the requirements listed above.

4. Students can take MATH 10051 or PHIL 21002 in place of MATH 11012 or MATH 12002. Taking MATH 10051 or PHIL 21002 will not replace a low grade in either MATH 11012 or MATH 12002. Students are required to take MATH 11012 or MATH 12002 if they change their major to, or want to double major in, Economics or Finance and/or intend to declare a minor in Data Analytics. Students who intend to enroll in certain graduate programs and/or are working toward Phi Beta Kappa status are highly encouraged to take MATH 11012 or MATH 12002.

5. Students who have taken MATH 10041 for another program may use it as a substitute for BA 24056.

6. Minimum C grade is required in ENG 21011 or HONR 20197.

7. An education abroad experience is encouraged as a general elective. A maximum of 4 credit hours of Physical Activity, Wellness and Sport (PWS) courses may be applied toward the degree program.

Progression Requirements

- Minimum 2.250 overall GPA
- Minimum C grade in COMM 15000, ENG 21011 (or HONR 20197) and MATH 11010 (or placement out of MATH 11010)
- Minimum C+ grade in both CIS 24053 and CIS 24165
- Minimum C grade in major requirements

Graduation Requirements

<table>
<thead>
<tr>
<th>Minimum Major GPA</th>
<th>Minimum Overall GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.250</td>
<td>2.250</td>
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</table>

- Students must complete at least 50 percent of business credit hours (required for the business degree) in-residence on a Kent State University campus.
Students must complete two measures of outcomes assessment as specified by the college for complete satisfaction of the B.B.A. degree.

**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.

### Semester One

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11010</td>
<td>ALGEBRA FOR CALCULUS (KMCR)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 10123</td>
<td>EXPLORING BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>COMM 15000</td>
<td>INTRODUCTION TO HUMAN COMMUNICATION (KADL)</td>
<td>3</td>
</tr>
<tr>
<td>UC 10001</td>
<td>FLASHES 101</td>
<td>1</td>
</tr>
<tr>
<td>Kent Core Requirement</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Kent Core Requirement</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Credit Hours:** 16

### Semester Two

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 22060</td>
<td>PRINCIPLES OF MICROECONOMICS (KSS)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 11012</td>
<td>INTUITIVE CALCULUS (KMCR) or ANALYTIC GEOMETRY AND CALCULUS I (KMCR)</td>
<td>3-5</td>
</tr>
<tr>
<td>CIS 24053</td>
<td>INTRODUCTION TO COMPUTER APPLICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>UC 10162</td>
<td>INTRODUCTION TO PROFESSIONAL DEVELOPMENT</td>
<td>1</td>
</tr>
<tr>
<td>Kent Core Requirement</td>
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<td>3</td>
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<tr>
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**Credit Hours:** 16

### Semester Three

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 23020</td>
<td>INTRODUCTION TO FINANCIAL ACCOUNTING</td>
<td>3</td>
</tr>
<tr>
<td>CIS 24165</td>
<td>CLOUD SYSTEMS COMPUTING</td>
<td>3</td>
</tr>
<tr>
<td>ECON 22061</td>
<td>PRINCIPLES OF MACROECONOMICS (KSS)</td>
<td>3</td>
</tr>
<tr>
<td>FIN 26074</td>
<td>LEGAL ENVIRONMENT OF BUSINESS</td>
<td>3</td>
</tr>
<tr>
<td>Kent Core Requirement</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Credit Hours:** 15

### Semester Four

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 23021</td>
<td>INTRODUCTION TO MANAGERIAL ACCOUNTING</td>
<td>3</td>
</tr>
<tr>
<td>BUS 30062</td>
<td>ADVANCED PROFESSIONAL DEVELOPMENT</td>
<td>3</td>
</tr>
<tr>
<td>CIS 24167</td>
<td>CLOUD INFRASTRUCTURE AND APPLICATIONS</td>
<td>3</td>
</tr>
<tr>
<td>CIS 34167</td>
<td>CREATING INTUITIVE SYSTEMS</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 24163</td>
<td>PRINCIPLES OF MANAGEMENT</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credit Hours:** 15

### Semester Five

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
</table>
| Required: minimum 2.250 overall GPA
| BA 24056    | BUSINESS ANALYTICS I                              | 3       |
| CIS 34034   | BUSINESS MODELING AND AGILE DESIGN                | 3       |
| ! CIS 44040 | PROGRAMMING FOR THE CLOUD                         | 3       |
| ! MKTG 25010| PRINCIPLES OF MARKETING                           | 3       |
| Kent Core Requirement |                                      | 3       |

**Credit Hours:** 15

### Semester Six

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
</table>
| Required: minimum 2.250 overall GPA
| BA 34060    | OPERATIONS MANAGEMENT                             | 3       |
| CIS 44007   | PROJECT MANAGEMENT AND TEAM DYNAMICS              | 3       |

**Credit Hours:** 15

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**University Requirements**

All students in a bachelor's 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.

- Flashes 101 (UC 10001) 1 credit hour
- Course is not required for students with 30+ transfer credits (excluding College Credit Plus) or age 21+ at time of admission.
- Diversity Domestic/Global (DIVD/DIVG) 2 courses
  - Students must successfully complete one domestic and one global course, of which one must be from the Kent Core.
- Experiential Learning Requirement (ELR) varies
  - Students must successfully complete one course or approved experience.
- Writing-Intensive Course (WIC) 1 course
- Students must earn a minimum C grade in the course.
- Upper-Division Requirement 39 credit hours
  - Students must successfully complete 39 upper-division (numbered 30000 to 49999) credit hours to graduate.
- Total Credit Hour Requirement 120 credit hours

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**Kent Core Requirements**

- Kent Core Composition (KCMP) 6
- Kent Core Mathematics and Critical Reasoning (KMCR) 3
- Kent Core Humanities and Fine Arts (KHUM/KFA) (min one course each) 9
- Kent Core Social Sciences (KSS) (must be from two disciplines) 6
- Kent Core Basic Sciences (KBS/KLAB) (must include one laboratory) 6-7
Program Learning Outcomes

Graduates of this program will be able to:

1. Perform as an effective member on project teams.
2. Navigate the cloud and cloud-based platforms.
3. Select, install and operate systems, databases and applications using cloud infrastructure.
4. Design, code and distribute intuitive cloud-based apps.
5. Conceptualize and deploy data management and analytics systems to support business requirements.

Students earning a B.B.A. degree in Ambassador Crawford College of Business and Entrepreneurship are expected to have developed skills in the following critical areas of business:

1. Core Business Knowledge - Recall the strategic frameworks that are used to make business decisions.
2. Analytical Skills - Use analytical methodologies and critical thinking skills to evaluate and solve business problems.
3. Digital Technology – Demonstrate the technological skills necessary to analyze business problems and develop solutions.
4. Written Communication - Write effective business communications.
5. Oral Communication - Make effective business presentations, using appropriate technologies.
6. Teamwork – Collaborate effectively with others to achieve a common business purpose.
7. Business Ethics – Recognize ethical business dilemmas and use ethical decision making to resolve the dilemma.
8. Global – Analyze the key global factors when making business decisions.

Full Description

The Bachelor of Business Administration degree in Computer Information Systems provides students with a focus on the creation and supervision of the information systems that are commonly used in organizations of all types and sizes. There is a primary emphasis on problem-solving involving cloud computing systems and infrastructure, creating intuitive systems, business modeling and agile design, data management and business intelligence, cloud systems integration and project management and business experience.

Examples of information systems include airline reservation systems, mobile apps, bank automated teller systems, trading systems for stock exchanges, social media platforms and accounting/auditing systems.

Students can select electives to complement their knowledge base and interests such as in application design and development and other computing infrastructure that focus on the creation and maintenance of application used in smart phones and similar technologies and prepares students for careers as development engineers and system analysts. Students learn to use and manage cloud-based platforms to support and manage business processes and operations in organizations. Some material taught in courses correlate with the knowledge needed to pass professional certification exams.

Students participate in an internship, which involves a summer or a semester of paid professional experience in industry. Internship experience helps show the relevance of on-campus courses to professional work, helps students focus their career plans and often enables students to secure better jobs upon graduation.

Computer Information Systems students may apply early to the M.B.A. degree and double count 9 credit hours of graduate courses toward both degree programs. See the Combined Bachelor’s/Master’s Degree Program policy in the University Catalog for more information.