AAS DEGREE – CODE #0581

Evan Enke, Department Chair and Program Coordinator
Email address: enkeeg@alfredstate.edu

As more organizations install and employ computer networks, a need has developed for the “resident expert” to administer the system, install software, establish security, and train others. As a graduate of the computer information systems (CIS) program, you will be well positioned to serve that need with a foundation in programming, databases, and networking.

ADVANTAGES

- Students can complete the Cisco Certified Network Association curriculum and have a strong foundation to pursue professional certifications for CompTIA A+, Network+, and CCNA. The college has a Pearson Vue testing center.
- Our laboratories provide students with ample hands-on experience, giving them a considerable edge in the highly competitive computer and information technology job market.

DIRECT ENTRY INTO BACCALAUREATE DEGREE PROGRAMS

Alfred State computer information systems graduates may enter directly into either the cyber security BTech, information technology: applications software development BTech, or technology management BBA degree program.

CONTINUING EDUCATION OPPORTUNITIES

To facilitate the transfer of graduates choosing to continue their education at the baccalaureate level, students are encouraged to make their intentions known to their academic adviser during their freshman year. Through the careful use of elective courses, students can realize excellent transfer credit.

Transfer into the information technology programs: network administration, web development, and applications software development will place them at junior status.

OCCUPATIONAL OPPORTUNITIES

- Network management
- Systems administration
- Computer technology
- Computer support
- Computer programming
- Web development
- Network administrators

EMPLOYMENT STATISTICS

Employment and continuing education rate of 100 percent – 50 percent are employed; 50 percent continued their education.

RELATED PROGRAMS

- Computer Engineering Technology
- Computer Science
- Cyber Security
- Information Technology: Applications Software Development
- Information Technology: Network Administration
- Information Technology: Web Development

ENTRANCE REQUIREMENTS/RECOMMENDATIONS

Required: Algebra, Geometry*
Recommended: Algebra 2
* Students who place into intermediate algebra will be required to take one additional mathematics course.

OFFICE OF ACCESSIBILITY SERVICES

Students who believe they need a reasonable accommodation to properly participate in this program may contact Melanie Ryan in the Office of Accessibility Services. This office may be contacted by email at oas@alfredstate.edu or by phone at 607-587-4506. Please keep in mind that some accommodations may take time to implement, so students seeking accommodations are encouraged to contact OAS as early as possible.

REQUIRED EQUIPMENT

A tier 2 laptop computer is required for students entering the computer information systems program. Laptop specifications are available at www.alfredstate.edu/required-laptops.

COMPUTER INFORMATION SYSTEMS - AAS DEGREE

TYPICAL FOUR-SEMESTER PROGRAM

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<tbody>
<tr>
<td>Cisy 1023 (Intro to Information Tech)</td>
<td>Cisy 2133 (Computer Programming II)</td>
<td>Cisy 4033 (Networking I)</td>
<td>Cisy 4053 (Linux/Linux Admin and Scripting)</td>
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<td>Cisy 1123 (Intro to Programming for IT OR)</td>
<td>Cisy 2143 (Microcomputer Systems I)</td>
<td>Cisy 3223 (Intro to Web Page Development)</td>
<td>Cisy 5403 (Database Concepts)</td>
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<td>Cisy 1113 (Computer Programming I)</td>
<td>Cisy 2153 (Database Appl and Programming I)</td>
<td>MATH 1123 (Statistics I OR)</td>
<td>SPCH 1083 (Effective Speaking)</td>
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<td>COMP 1503 (Freshman Composition)</td>
<td>MATH 2124 (College Algebra or Higher*)</td>
<td>ACCT 1124 (Financial Accounting)</td>
<td>SPCH xxx3 (Effective Speaking Equivalent)</td>
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<td>GLST 2113 (Global)</td>
<td>LITR xxx3 (Literature Elective)</td>
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OCCUPATIONAL OPPORTUNITIES

- Network management
- Systems administration
- Computer technology
- Computer support
- Computer programming
- Web development
- Network administrators

EMPLOYMENT STATISTICS

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RELATED PROGRAMS

- Computer Engineering Technology
- Computer Science
- Cyber Security
- Information Technology: Applications Software Development
- Information Technology: Network Administration
- Information Technology: Web Development
* If not required, take LAS elective to complete degree requirements of 3 credits, otherwise take free elective.

Adviser-approved mathematics courses do not include MATH 1004, MATH 1104, MATH 1014, or MATH 1143.

Professional electives may include CISY, business, and selected courses from math or engineering as approved by the adviser.

GRADUATION REQUIREMENTS

Must complete a minimum of 24 credit hours of required CISY courses and nine credit hours of professional electives approved by adviser with a minimum 2.0 cumulative index. Twenty credit hours of liberal arts courses, a minimum overall cumulative index of 2.0, along with other requirements as stated in the College Academic Regulations, must be met by candidates of the AAS degree. Must successfully complete a minimum of 61 credit hours of course work.