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| |  | | --- | | **Information Systems Technology, BAS** | |  |  * Return to: [Catalog Search](http://catalog.fsw.edu/search_advanced.php?catoid=15)   **Purpose**  The Bachelor of Applied Science (BAS) in Information Systems Technology program is designed to prepare graduates for higher level employment in Information Technology management in areas such as systems programming, systems design and architecture, network security, and help desk support services. The program also provides the professional development necessary to help meet the growing regional demand for skilled Information Technology workers in Southwest Florida. This degree is specifically designed to provide a career and educational pathway particularly for graduates from Florida SouthWestern State College's Associate in Science in Computer Programming and Analysis and/or the Associate in Science in Network Systems Technology.  **Program Structure**  The BAS in Information Systems Technology program includes courses in information systems management, computer programming, computer networking, information security, e-commerce, mobile application development, and business. Elective choices include additional courses in management, information technology, entrepreneurship, and marketing. Courses are offered in online or blended formats, with many courses offered in an accelerated eight-week fashion, to accommodate students' various schedules and learning preferences.  **Degree Requirements:** 120 Credit Hours  **General Education Requirements:** 36 Credit Hours  **Lower Division Program Requirements:** 27-33 Credit Hours, including 12 Credit Hours of Common Lower Division Requirements, and 15-21 Credit Hours of Lower Division Specialization Track Requirements  **Upper Division Program Requirements:** 42 Credit Hours, including 24 Credit Hours of Upper Division Core Requirements, and 18 Credit Hours of Upper Division Specialization Track Requirements  **Electives:** 9-15 Credit Hours  **Admission Requirements**   1. Applicants must apply for admission and be accepted to Florida SouthWestern State College. Official transcripts from all previously attended colleges or universities must be sent directly to the Office of the Registrar. 2. Applicants must have a minimum cumulative grade point average of 2.0 on a 4.0 scale. 3. Applicants must have earned:   An Associate in Science degree from any regionally accredited college or university, as defined by State Board of Education rule, with a minimum of 60 credit hours,  OR  An Associate in Arts degree from any regionally accredited college or university, as defined by State Board of Education rule, with a minimum of 60 credit hours,  OR  A minimum of 60 credit hours from any regionally accredited college or university, as defined by State Board of Education rule, with all state of Florida general education core requirements met.   1. Students are encouraged to apply for admission during the term in which they will complete their Associate degree program. 2. Applicants not meeting stated admission criteria may petition for program admittance if they feel there are mitigating circumstances. Applicants must submit an official petition form to the Office of the Admissions. 3. Students may demonstrate proficiency in some or all required lower division coursework by presenting proof of current and appropriate industry certification according to FSW's most current Gold Standard list. Articulation credit may also be awarded for some or all industry certifications subject to individual evaluation.   **Requirements to Enroll in Baccalaureate Courses**   1. Upon admission to the BAS program, students must attend a required orientation session prior to enrollment in baccalaureate (3000 and 4000 level) courses. 2. Students must complete [ENC 1101 - Composition I](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search" \l "tt2162" \t "_blank), [ENC 1102 - Composition II](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search" \l "tt763" \t "_blank), and three credit hours of approved mathematics, all with a grade of C or better, prior to enrollment in any baccalaureate (3000 or 4000 level) courses. (Refer to the [General Education Program Guide](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1405)) 3. Students must complete [MAN 2021 - Management Principles](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search" \l "tt2607" \t "_blank), during the**first term** of enrollment if not previously completed. 4. Cross-enrollment approval: Baccalaureate degree seeking students must obtain prior approval to cross enroll (as a transient student) in courses intended to fulfill baccalaureate program requirements. Approval will be determined by the appropriate dean in collaboration with program faculty. Students initiate this process using Florida Virtual Campus: www.floridashines.org/. 5. Students who have not fulfilled the State of Florida General Education Core requirements must complete them. Students who transfer to Florida SouthWestern State College with a previous Associate in Arts degree from a Florida state college, or baccalaureate degree from a regionally accredited institution, are considered to have met the General Education component of the degree. 6. Students who have previously earned an Associate in Arts or a baccalaureate degree from a college or university outside the State of Florida will be reviewed on a case-by-case basis to determine which courses will meet the 36-hour General Education Requirements. Students must have earned equivalent credit hours in each General Education category. 7. Students are permitted to complete remaining General Education and lower division courses while enrolled in the BAS program. However, prior to enrollment in CIS 4891 - Senior Capstone Project, students must have completed all General Education courses and 36 upper-division credit hours. The capstone course must be taken at Florida SouthWestern State College and is not eligible for cross-enrollment.   **Graduation Requirements**   1. Students must satisfactorily complete 120 credit hours to be eligible for graduation. For residency purposes, a minimum of 15 baccalaureate program (3000 or 4000 level) credit hours required for graduation must be completed at Florida SouthWestern State College. All other specific degree requirements must also be met. Credit awarded for Developmental Studies instruction may not be applied toward the total number of credits required for residency purposes or graduation. 2. Students must complete the State of Florida General Education Core Requirements, including any assessment of General Education outcomes that are required by the College. Transfer courses will be reviewed for equivalency. Students who transfer to Florida SouthWestern State College with a previous Associate in Arts degree from a Florida College or baccalaureate degree from a regionally accredited institution are considered to have met the General Education component of the degree. 3. The Civic Literacy Competency Requirement may be met by achieving a passing score on the Florida Civic Literacy Exam and by successfully passing a civic literacy course. 4. The Foreign Language Competency Requirement may be met by:    * 2 years of the same High School Foreign Language, or    * Documented foreign language proficiency through testing (for example, CLEP), or    * 2 semesters of the same College Level Foreign Language (Level II proficiency). 5. Students must fulfill all requirements of their program. 6. Students must achieve a cumulative grade point average of 2.0 or higher on a 4.0 scale. 7. Students must earn a grade of C or better in all baccalaureate (3000 or 4000 level) program requirements. 8. Students must indicate their intention to attend commencement ceremony by completing the Commencement Form by the published deadline.   **Course Prerequisites**  ***Many courses require prerequisites.*** Check the description of each course in the list below for prerequisites, minimum grade requirements, and other restrictions. Students must complete all prerequisites for a course prior to registering for it. |
| **General Education Requirements: 36 Credit Hours**  **Refer to the FSW [General Education Program Guide](https://fsw.acalogadmin.com/preview/preview_program.php?catoid=9&poid=414)**  **Lower Division Program Requirements: 27-33 Credit Hours**  **Common Lower Division Requirements (12 Credit Hours)**   * [CTS 1131 - Computer Hardware](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CTS 1133 - Computer Software](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CGS 1100 - Computer Applications for Business](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) 1**3 credits** * [MAN 2021 - Management Principles](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits**     **1** Students who have successfully completed CGS 2108 will have met the requirement for CGS 1100.  **Lower Division Specialization Track Requirements (15-21 Credit Hours)**  **Choose one track:**  **Networking Lower Division Track (15 Credit Hours)**   * [CNT 1000 - Computer Networking Essentials](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CNT 1512 - Wireless Network Administration](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CTS 2120 - Computer and Network Security (Security+)](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CIS 2321 - Systems Analysis and Design](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CTS 2142 - Introduction to Project Management](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits**   **OR**  [MAN 2582 - Principles of Project Management](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits**    **Programming Lower Division Track (21 Credit Hours)**   * [COP 1000 - Introduction to Computer Programming](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [COP 2360 - C# Programming I](http://catalog.fsw.edu/preview_program.php?catoid=14&poid=1334&returnto=1177) **3 credits** * [COP 2362 - C# Programming II](http://catalog.fsw.edu/preview_program.php?catoid=14&poid=1334&returnto=1177) **3 credits** * [COP 2800 - Java Programming](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [COP 2700 - Database Programming](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [COP 1822 - Internet Programming HTML](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [COP 2830 - Internet Programming HTML II](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits**   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Upper Division Program Requirements: 42 Credit Hours**  **Upper Division Core Requirements (24 Credit Hours)**   * [ISM 3004 - Information Resources Management for Business](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [ISM 3113 - Systems Analysis and Design](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [MAN 4701 - Business Ethics and Society](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [ISM 4323 - Information Security Policy Administration](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CIS 4523 - Managing IT Projects](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CTS 4408 - Database Administration](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * ISM 4153 – Enterprise Information Systems **3 credits** * [CIS 4891 - Senior Capstone Project](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits**     **Upper Division Specialization Track Requirements (18 Credit Hours)**  **Choose one track:**  **Networking Upper Division Track (18 Credit Hours)**   * [CET 4505 - Computer Operating Systems](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CNT 3504 - Computer Networks and Distributed Processing](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CIS 3360 - Principles of Security](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CIS 3361 - Information Technology Security Management](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CNT 4514 - Wireless Networks and Portable Devices](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CNT 4524 - Mobile Security](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits**     **Programming Upper Division Track (18 Credit Hours)**   * [COP 3505 - Intermediate Computer Programming](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [COP 3804 - Intermediate Java Programming](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [CEN 4330 - Advanced Database Development](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [COP 3655 - Application Development for Mobile Devices](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [COP 4807 - Web Application Programming](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits** * [COP 3538 - Data Structures for IT](http://catalog.fsw.edu/preview_program.php?catoid=15&poid=1463&hl=INformation+Systems+Technology&returnto=search) **3 credits**   **Electives: 9-15 Credit Hours**   * Any 1000-4000 level courses with a CIS, CNT, CEN, CET, COP, CGS, CTS, MAN, or ISM prefix **9-15 credits**   **Total Degree Requirements: 120 Credit Hours**  **Information is available online at:**[**www.fsw.edu/academics**](http://catalog.fsw.edu/www.fsw.edu/academics)**or on the School of Business and Technology Home Page at:**[**www.fsw.edu/sobt**](http://catalog.fsw.edu/www.fsw.edu/sobt)**.** |