

## BACHELOR OF APPLIED SCIENCE PROGRAMS

### Information Technology Program Code T 300

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The Bachelor of Applied Science (BAS) is designed as a hands-on student-centered degree program utilizing an applied approach to learning. Students who successfully complete the Information Technology degree program will have the skills and knowledge required to become successful information technologists and leaders in areas such as database administration, network systems administration, computer software engineering, etc. This program will focus on current and emerging principles, tools and methodologies in information technology, and develop comprehensive solutions to real-world problems associated with current information technology challenges. General program outcomes for this degree are comprised of specific learning objectives embedded into each course.

#### **Related Programs**

Supervision and Management Program Code T 100  
Technology Management Program Code T 200

#### **Financial Aid**

Students may be eligible for financial aid at the junior level when the following occurs:

7. earned associate degree;
8. earned 60 credits toward a Bachelor degree program of study; and
9. enrolled in upper division coursework applicable to their Bachelor degree program of study.

#### **Admission Requirements**

The Bachelor of Applied Science is an open-access program designed for the adult learner who has earned a two-year technical degree and wishes to advance professionally. General admission to Broward College is required. Students will also submit a BAS program supplemental application. Applicants should have completed a minimum of 15 semester hours of general education requirements as part of their AS or AAS degree. The remaining general education semester hours (to complete a total of 36) will be completed during the Bachelor of Applied Science degree program. Students will meet all of the State of Florida Bachelor of Applied Science general education requirements to be awarded the Bachelor of Applied Science (BAS) degree in Information Technology. Students with an Associate in Arts degree (AA) or 60 college credits may be admitted to the program upon recommendation of the Dean for Business, Technology, and Management and Dean for Student Affairs. Applicants will have a cumulative grade point average (GPA) of 2.0 on a 4.0 scale in all post-secondary coursework. They must be in good academic standing at the last institution they attended. Students will submit official transcripts from all post-secondary institutions attended. Broward College will automatically access the transcripts of previous or current students applying to the BAS program. As part of the admission process students are required to complete an educational plan. Applicants should access the website for more specific procedural information regarding assistance that will be provided through a personal advisor or counselor

in developing the student's educational success plan (<http://www.broward.edu/bas>).

The general admission, supplemental, and reentry applications are available on the Broward College website; please use the following links to access these applications: <http://www.broward.edu>, <http://www.broward.edu/bas>, <http://www.broward.edu/stuserv/forms/reg-106.pdf>.

- o Students currently attending Broward College who wish to apply for the BAS program are required to complete the BAS program supplemental application
- o Graduates or returning Broward College students who wish to apply for the BAS program are required to complete the re-entry application and the BAS program supplemental application
- o New students to Broward College must complete the Broward College admissions application, and complete the BAS program supplemental application
- o International students must first be admitted into Broward College. They are also required to complete the BAS program supplemental application. Please refer to the international admission requirements listed in the online Broward College catalog at [www.broward.edu](http://www.broward.edu)
- o Transfer students must submit a general admission application and complete the BAS program supplemental application

#### **Graduation Requirements**

The Bachelor of Applied Science degree will be awarded to students who meet the following requirements:

- o A minimum of 120 semester credit hours in the prescribed coursework is required for the Bachelor of Applied Science degree. Coursework is comprised of both lower division (AS, AAS, AA) and upper division (BAS) as specified by the program sheet.
- o Successful completion of the Capstone Project.
- o Students must maintain an overall GPA of 2.0 to meet their graduation requirements.
- o Complete eight credits in one foreign language or American Sign Language students who have completed two years of high school foreign language in one language are considered to have met the requirement. Students who have earned an Associate in Arts degree from a Florida Community College or State University System (SUS) institution before the Fall term of 1989, or who have maintained continuous enrollment in a Florida community college or SUS institution before the Fall term, 1989, are exempt from the requirement.
- o Be recommended for graduation by the faculty of the student's major field department.

See next page for more information.

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***Program Description***

The Bachelor of Applied Science Degree in Information Technology provides individuals who hold an Associate in Science (AS) or Associate in Applied Science (AAS) degree the opportunity to further their education. Students completing this program will have the skills and knowledge required to become successful Information Technologists and leaders in areas such as database administration, network systems administration, computer software engineering, etc. within public, private, and non-profit organizations. The curriculum offers a learner-centered and practical approach to understanding and applying Information Technology.

<b>BAS INFORMATION TECHNOLOGY DEGREE COMPONENTS</b>	
<b>Earned Associate in Science or Associate in Applied Science Degree</b>	
<b>General Education Core Requirements Credits: AS or AAS degree holders will have completed a minimum of 15 of the 36 required general education hours as a part of their AS or A. A. S. degree</b>	<b>36</b>
<b>LOWER DIVISION COURSEWORK FROM AS or AAS in semester credit hours</b>	<b>45</b>
<b>Note: Foreign language competency: Complete two years of the same foreign language in high school or complete requirement prior to graduation at the postsecondary (college) level.</b>	
<b>UPPER LEVEL PROFESSIONAL COURSEWORK in semester credit hours</b>	<b>39</b>
<b>TOTAL</b>	<b>120</b>
<b>NOTE: Students with an Associate in Arts degree (AA) or 60 credit hours without a degree may be admitted to the program upon recommendation of the Dean for Business, Technology and Management and the Dean for Student Affairs.</b>	

**UPPER DIVISION PROFESSIONAL COURSEWORK**  
**(Sample Course Sequence)**

**First Semester Junior - Term 1**

CNT 3504 Networking	3
CNT 3702 Infrastructure and Facilities Planning	3
COP 3847 Web Systems and Technologies	3
STA 2023 Statistics or College Level Math	3
General Education	3

**Total term credit hours                    15**

**Second Semester Junior - Term 2**

CIS 3510 Project Management	3
CNT 3604 System Administration and Maintenance	3
COP 3703 Database Concepts	3
General Education	3
General Education (e.g. science lab)	1

**Total term credit hours                    13**

**First Semester Senior - Term 1**

CEN 4341 <sup>1</sup> Platform Technologies	3
CEN 4722 Human Computer Interaction	3
CIS 4361 <sup>2</sup> Information Assurance and Security	3
COP 4858 <sup>3</sup> Integrative Programming and Technologies	3
General Education	3

**Total term credit hours                    15**

**Second Semester Senior - Term 2**

CIS 4253 <sup>4</sup> Social and Professional Issues in IT	3
CDA 4411 <sup>5</sup> Systems Integration and Architecture	3
CIS 4596 <sup>6</sup> IT Capstone Project	3
General Education	3
General Education (e.g. wellness)	2

**Total term credit hours                    14**

**Note:** General Education requirements will vary based on existing AS or AAS degree

**Note** the sequence for the following courses:  
 CEN 4341<sup>1</sup>: CNT3702 and CNT 3604 ; CIS 4361<sup>2</sup>: CNT 3504  
 COP 4858<sup>3</sup>: COP 3847; CIS 4253<sup>4</sup>:CEN 4722  
 CDA 4411<sup>5</sup>: CEN4341, CIS 4361, COP 4858  
 CIS 4596<sup>6</sup>: Must be taken in final semester

**Students interested in this program, must see an academic advisor to determine course sequence.**