

**OSU INSTITUTE OF TECHNOLOGY  
IT PLAN OF STUDY 176  
(FALL 2017 - SUMMER 2018)**

\_\_\_\_\_  
Last Name, First

\_\_\_\_\_  
CWID

**ASSOCIATE IN APPLIED SCIENCE IN INFORMATION TECHNOLOGIES (AAS ITD 176)**

61 hrs (33 hrs technical, 1 hr College Strategies; 27 hrs general education)

**ASSOCIATE IN SCIENCE IN INFORMATION TECHNOLOGIES (AS ITD 176)**

63 hrs (24 hrs technical, 1 hr College Strategies; 38 hrs general education)

**BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGIES (BT ITD 176)**

121 hrs (70 hrs technical, 1 hr College Strategies; 50 hrs general education)  
(Lower-division hrs: 81 / Upper-division hrs: 40)

- Options in:
- Cybersecurity & Digital Forensics
  - Network Infrastructure
  - Software Development

A minimum cumulative graduation/retention GPA of 2.5 is required to earn any ITD degree.

A grade of C or higher must be earned in each ITD course.

Admittance to the BT in IT is contingent upon completion of an AAS or higher.

For the AAS and/or AS: At least 15 of the final 30 credit hours applied toward the degree or 50% of the major must be satisfactorily completed in residence through OSUIT.

**DIVISION REQUIREMENTS (Lower-Division)**

**IT Core Requirements**

			Pending Credit (Substitution, Transfer, Advanced Standing)	Req Hrs	Official Credit
IT Core Requirements (for all IT Degrees: AAS, AS and BT) [21 hrs]	ITD 1033	Introduction to Computer Logic		3	
	ITD 1213	Hardware Systems Support		3	
	ITD 1223	Network Systems		3	
	ITD 1243	Principles of Information Security		3	
	ITD 1253	Object-Oriented Pgm. using C#		3	
	ITD 1353	Web Development		3	
	ITD 2223	Operating Systems		3	
Additional IT Core Requirements (for AAS and BT Degrees) [6 hrs]	ITD 2203	Database Systems		3	
	ITD 2313	Script Programming		3	

**Required for AAS** (may use the lower-division BT option courses here)

Technical Electives [6 hrs]	_____	_____		3	
	_____	_____		3	
	_____	_____		3	

**Required for AS** (may use a lower-division BT option course here)

Technical Elective [3 hrs]	_____	_____		3	
	_____	_____		3	

**Required for BT:**

Lower-Division Option Coursework [3 hrs per BT option; 6 hrs minimum)	Required for Network Infrastructure option	ITD 2133	Network Support Management		3	
	Required for Software Development option	ITD 2263	GUI Development		3	
	Required for Cybersecurity & Digital Forensics option	ITD 2413	Enterprise Security Management		3	
	Technical Elective (if needed for 6 hrs)	_____	_____		3	

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**DIVISION REQUIREMENTS (Upper-Division)**

**Required for BT:**

(Admittance to the BT in IT is contingent upon completion of an AAS or higher)

				Pending Credit (Substitution, Transfer, Advanced Standing)	Req Hrs	Official Credit
BT Option Requirements (May select one or more BT options. All option coursework must be completed prior to completing the BT in IT.)	Cybersecurity & Digital Forensics (12 hrs)	ITD 3433	Digital Forensics		3	
		ITD 3443	Network Security		3	
		ITD 3523	Computer Security		3	
		ITD 3533	Secure System Administration		3	
	Network Infrastructure (12 hrs)	ITD 3153	LAN/WAN Routing and Switching		3	
		ITD 3253	Server Administration		3	
		ITD 3533	Secure System Administration		3	
		ITD 3543	Enterprise Networking		3	
	Software Development (9 hrs)	ITD 3323	Enterprise Framework Programming		3	
		ITD 3333	Distributed Application Development		3	
		ITD 3663	Mobile Programming		3	

BT Electives	Upper-division technical electives* (6-9 hrs)	Elective #1:	_____		3		
		Elective #2:	_____		3		
		For the Software Development option:					
		Elective #3:	_____		3		

\*Courses from the BT option(s) the student is pursuing cannot be used as electives.

BT Core Requirements	19 hrs total	7 hrs	ITD 3201	Employment Orientation		1	
			ITD 3453	Information Systems and Architecture		3	
			ITD 4113	IT Project Management		3	
		9 hrs	<input type="checkbox"/> ITD 4809	9-hr Internship*		9	
			--- OR ---	--- OR ---			
3 hrs	<input type="checkbox"/> ITD 4806 & 3-hr Upper-Div Technical Elective	6-hr Internship* & _____					
	ITD 4123	Applied Research & Development		3			

\*The internship site can be a temporary or a permanent IT position.

For the BT in IT:

- At least 15 of the final 30 credit hours applied toward the degree must be satisfactorily completed through OSUIT.
- A minimum of 30 hours of resident credit applied toward the BT shall be taken through OSUIT.
- A minimum of 60 hrs must be taken from a baccalaureate-degree granting institution, 40 hours of which must be upper-division (excluding physical education courses).

**INTERDEPARTMENTAL REQUIREMENTS:**

			Pending Credit (Substitution, Transfer, Advanced Standing)	Req Hrs	Official Credit
All IT Degrees	ORIE 1011	College Strategies		1	

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GENERAL EDUCATION REQUIREMENTS:					Pending Credit (Substitution, Transfer, Advanced Standing)	Req Hrs	Official Credit
AS, AAS, BT	Core Courses (12 hrs)	Communication Arts	6 hrs	ENGL 1113	Freshman Composition I		3
				ENGL 1213	Freshman Composition II		3
		US History	3 hrs	HIST 1483	U.S. History to 1865 *OR*		3
				HIST 1493	U.S. History Since 1865		
	US Government	3 hrs	POLS 1113	U.S. Government		3	
	AS/BS Core AAS Pgm Courses (12 hrs)	Humanities <sup>1</sup>	3 hrs	PHIL 1213	Ethics		3
			3 hrs	_____	_____		3
		Mathematics	3 hrs	MATH 1513	College Algebra		3
		Gen Ed Elective (From Social Sciences <sup>2</sup> , Foreign Language, or Fine Arts)	3 hrs	_____	_____		3
	Pgm Courses (3 hrs)	Oral Communications	3 hrs	SPCH 1113	Introduction to Speech *OR*		3
				SPCH 2313	Small Group Communications		

<sup>1</sup>Humanities courses are any HUM course; ENGL 2773 Survey of American Literature I; ENGL 2883 Survey of American Literature II; GEOG 2243 Fund. of Geography; HIST 1613 Western Civilization to 1500; HIST 1623 Western Civilization after 1500.

<sup>2</sup>Social Science courses are any PSYC or SOC courses; GEOG 2243 Fund. of Geography; HIST 1613 Western Civilization to 1500; HIST 1623 Western Civilization after 1500; HIST 2323 Oklahoma History.

AS, BT	Science (At least one course must be a lab science)	8 hrs	<b>Lab Sciences:</b>				
			BIOL 1014	General Biology (non-majors)		4	
			BIOL 1114	General Biology		4	
			BIOL 1404	General Botany		4	
			BIOL 1604	Zoology		4	
			BIOL 2104	Human Anatomy		4	
			CHEM 1314	General Chemistry I		4	
			<b>Non-Lab Sciences:</b>				
			GEOL 1014	Earth Science		4	
			PHYS 1204	General Physical Science		4	
Gen Ed Elective <sup>3</sup>	3 hrs	_____	_____		3		

BT	Gen Ed Electives <sup>3</sup>	6 hrs	_____	_____		3
			_____	_____		3
	Mathematics	6 hrs	STAT 2013	Elementary Statistics		3
			MATH 3103	Discrete Mathematics		3

<sup>3</sup>General education courses not previously used on the plan of study may be used as general education electives.

**DEFICIENCIES**

(BASED ON COMPASS AND ACT SCORES):

					Req Hrs	Official Credit
Deficiencies must be removed within the first 24 hrs attempted	___ Needed	MATH 0143	Math Fundamentals		3	
	___ Needed	MATH 0153	Algebra Fundamentals		3	
	___ Needed	MATH 0163	Intermediate Algebra		3	
	___ Needed	ENGL 0143	English Fundamentals		3	
	___ Needed	READ 0143	Reading Fundamentals		3	
	___ Needed	PHYS 0123	Science		3	