

**OSU INSTITUTE OF TECHNOLOGY
IT PLAN OF STUDY 166
(FALL 2016 - SUMMER 2017)**

Last Name, First

CWID

ASSOCIATE IN APPLIED SCIENCE IN INFORMATION TECHNOLOGIES (AAS ITD 166)

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

ASSOCIATE IN SCIENCE IN INFORMATION TECHNOLOGIES (AS ITD 166)

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

BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGIES (BT ITD 166)

121 hrs (70 hrs technical, 1 hr College Strategies; 50 hrs general education)

(Lower-division hrs: 81 / Upper-division hrs: 40)

BT Options in:

- Cybersecurity & Digital Forensics
- Network Infrastructure
- Software Development
- IT Enterprise Management

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.

IT Core Coursework

			Pending Credit (Substitution, Transfer, Advanced Standing)	Req Hrs	Official Credit
IT Core Coursework (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 Coursework (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	

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

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

Required for BT:

Lower-Division Option Coursework [3 hrs per BT option; 6 hrs minimum)	Required for Network Infrastructure option	ITD 2153	LAN/WAN Implementation & Support		3	
	Required for Software Development option	ITD 2263	GUI Development		3	
	Required for Cybersecurity & Digital Forensics and/or IT Enterprise Mgmt options	ITD 2413	Enterprise Security Management		3	
	Technical Elective (if needed for 6 hrs)	_____	_____		3	

Last Name, First

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 Upper-Division Option Coursework (May select one or more 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 (9 hrs)	ITD 3253	Server Administration		3	
		ITD 3543	Enterprise Networking		3	
		ITD 3643	Data Center/Cloud Implementation		3	
	Software Development (9 hrs)	ITD 3323	Enterprise Framework Programming		3	
		ITD 3333	Distributed Application Development		3	
		ITD 3663	Mobile Programming		3	
	IT Enterprise Management (9 hrs)	ITD 3163	IT Enterprise Operations		3	
		ITD 3613	Emerging and Converging Technologies		3	
ITD 3673		IT Enterprise Management		3		

BT Electives	Upper-division technical electives* (6-9 hrs)	Elective #1:	_____		3		
		Elective #2:	_____		3		
		For the Network Infrastructure, Software Development, and/or IT Enterprise Management options:					
		Elective #3:	_____		3		

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

BT Core	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*				
			--- OR ---	--- OR ---				
3 hrs	<input type="checkbox"/> ITD 4806 & 3-hr Upper-Div Technical Elective	6-hr Internship* & _____			9			
	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	

Last Name, First

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	
		U.S. History	3 hrs	HIST 1483	U.S. History to 1865 *OR*	3	
				HIST 1493	U.S. History Since 1865		
	Political Science	3 hrs	POLS 1113	U.S. Government	3		
	AS/BS Core AAS Pgm Courses (12 hrs)	Humanities ¹	6 hrs	PHIL 1213	Ethics	3	
				_____	_____	3	
		Mathematics	3 hrs	MATH 1513	College Algebra	3	
	Gen Ed Elective (From Social Sciences ² , 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			

¹Humanities 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.

²Social 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	Lab Sciences:					
			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			
			Non-Lab Sciences:					
			GEOL 1014	Earth Science	4			
			PHYS 1204	General Physical Science	4			
Gen Ed Elective ³	3 hrs	_____	_____	3				

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

³General education courses not used on the plan of study may be used as general education electives. Exceptions are Technical Writing I, Technical Writing II, Business Math, and Computer Literacy & Applications.

DEFICIENCIES

(BASED ON COMPASS AND ACT SCORES):

DEFICIENCIES					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		