SCHOOL OF
TECHNOLOGY, ARTS, SCIENCES AND HEALTH
OSU Institute of Technology

INFORMATION TECHNOLOGIES
APPLIED ARTIFICIAL INTELLIGENCE OPTION
BACHELOR OF TECHNOLOGY
121 CREDIT HOURS
FALL, SPRING & SUMMER START

First Semester (16 Hours) | AAS Degree

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
1st	ITD 1033 Computer Logic & Flowcharting	3		ORIE 1011 College Strategies sub – A&S1111	1	
FULL	ITD 1213 Hardware Systems Support	3		ENGL 1113 Freshman Composition I ⊕ **OR** ENGL 1033 Technical Writing I ⊕	3	
FULL	ITD 1243 Principles of Information Security Corequisite: ENGL 1033 or ENGL 1113	3		HIST 1483 US History to 1865 **OR** HIST 1493 US History since 1865 sub-HIST1103	3	

Second Semester (15 Hours) | AAS Degree

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ITD 1223 Network Systems Prerequisite: ITD 1213	3		ENGL 1213 Freshman Composition II **OR** Prerequisite: ENGL 1113 ENGL 2033 Technical Writing II Prerequisite: ENGL 1033	3	
FULL	ITD 2223 Operating Systems	3		MATH 1513 Pre-Calculus ⊕	3	
				POLS 1113 US Government	3	

Third Semester (15 Hours) | AAS Degree

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ITD 1353 Web Development	3		SPCH 1113 Intro to Speech Communications **OR** SPCH 2313 Small Group Communications	3	
FULL	ITD 2313 Script Programming Prerequisite: ITD 1033	3		Approved Humanities Elective Consult with advisor for an approved list of electives.	3	
				MATH1103 Math Foundations for Understanding AI (pre-req for upper level AI classes)	3	

Fourth Semester (15 Hours) | AAS Degree

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ITD 1403 Cyber Ethics & Law Prerequisite: ENGL 1033 or ENGL 1113	3		Approved General Education Elective To be selected from Social & Behavioral Sciences, Foreign Language or Fine Arts. Consult with advisor for an approved list of electives.	3	
FULL	ITD 2203 Database Systems Prerequisite: ITD 1033	3		Approved Humanities Elective Consult with advisor for an approved list of electives.	3	
	Required Artificial Intelligence Concentration course (see next page)	3				

FULL = Full Semester Class; **1st** = First Half Class; **2nd** = Second Half Class ☆ Recommended ⊕ Corequisite strategies course available. See advisor for details.

Completion of AAS in Information Technologies Degree Requirements

~ BT in Information Technologies – Artificial Intelligence requirements continued on following page ~

Fifth Semester (15 Hours) | BT Degree

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ITD3453 Information Systems & Architecture	3		MATH 2143 Pre-Discrete Mathematics Prerequisite: MATH 1513	3	
FULL	Required Artificial Intelligence Concentration course	3				
FULL	Required Artificial Intelligence Concentration course	3				
	Required Artificial Intelligence Concentration course	3				

Sixth Semester (17 Hours) | BT Degree

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ITD 3201 Employment Orientation Prerequisites: Department approval and a 2.5 GPA or higher	1		MATH 3103 Discrete Mathematics Prerequisites: MATH 2143	3	
FULL	Required Artificial Intelligence Concentration course	3		Approved General Education Elective Consult with advisor for an approved list of electives.	3	
FULL	Required Artificial Intelligence Concentration course	3		Approved Science Elective Consult with advisor for an approved list of electives.	4	

Seventh Semester (16 Hours) | BT Degree

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	Required Artificial Intelligence Concentration course	3		Approved General Education Elective Consult with advisor for an approved list of electives.	3	
FULL	Required Artificial Intelligence Concentration course	3		Approved Science Elective Consult with advisor for an approved list of electives.	4	
FULL	ITD 3793 IT Project Management Prerequisite: ITD 1243	3				

Eighth Semester (12 Hours) | BT Degree

	Program Requirements	Hours	✓	General Education Courses	Hours	✓
FULL	ITD 4753 Applied Research & Development Prerequisites: ITD 3793, enrollment in the final semester of the BT in Information Technologies program, department approval and a 2.5 GPA or higher	3				
FULL	Upper-level ITD Elective (Cybersecurity concentration class recommended)	3				
FULL	ITD 4806 IT Internship Prerequisites: ITD 3201, department approval and a 2.5 GPA or higher	6				

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ARTIFICIAL INTELLIGENCE CONCENTRATION REQUIREMENTS

Concentration classes may not be offered each semester. Please consult your advisor.

ITD1393 Foundations of Artificial Intelligence
ITD2273 Applied AI & Advanced Techniques, Prerequisite: ITD1393
ITD3113 Applied Machine Learning & Model Deployment
ITD3213 Cloud Computing for AI Solutions
ITD3313 Data Engineering for AI
ITD4133 AI Integration & System Thinking
ITD4233 AI Strategy, Ethics & Governance
ITD4333 AI Communication & Professional Practice

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