PROGRAM BREAKDOWN

BACHELOR OF
SCIENCE IN INFORMATION TECHNOLOGY

CONCENTRATION IN ARTIFICIAL INTELLIGENCE
LOWER DIVISION GENERAL EDUCATION COURSES
LOWER DIVISION GENERAL EDUCATION COURSES (15.0 CREDITS REQUIRED)

COURSE NUMBER	COURSE NAME	CREDIT HOURS
ORAL COMMUNICATIONS		
ENGL 100	Language and Speech Communications	3.0 credit hours
ENGL 115	Fundamentals of Public Speaking	3.0 credit hours
SPC 200	Speech and Public Speaking	3.0 credit hours
HUMANITIES		
PHIL 102	Legal and Ethical Issues	3.0 credit hours
PHIL 200	Introduction to Philosophy	3.0 credit hours
MATHEMATICS		
MATH 102	College Algebra	3.0 credit hours
ENGLISH		
ENGL 200	English Composition I	3.0 credit hours
BEHAVIORAL SCIENCE / SOCIAL ENVIRONMENT		
PSY 201	Psychology	3.0 credit hours
SOC 210	Sociology	3.0 credit hours

UPPER DIVISION GENERAL EDUCATION COURSES
UPPER DIVISION GENERAL EDUCATION COURSES (15.0 CREDITS REQUIRED)

ENGLISH		
ENGL 302	English Composition II	3.0 credit hours
FOREIGN LANGUAGE		
SPN 310	Conversational Spanish	3.0 credit hours
NATURAL SCIENCE		
BSC 310	General Biology	3.0 credit hours
ECONOMICS		
ECON 302	Principles of Economics (Microeconomics)	3.0 credit hours
ECON 303	Macroeconomics	3.0 credit hours

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SCIENCE IN INFORMATION TECHNOLOGY

LOWER DIVISION MAJOR COURSES
LOWER DIVISION MAJOR COURSES (45 CREDITS REQUIRED)

COURSE NUMBER	COURSE NAME	CREDIT HOURS
CIT 102	Introduction to Computer Programming	3.0 credit hours
CIT 105	Programming Practice	3.0 credit hours
CIT 110	Computer Operating Systems	3.0 credit hours
CIT 225	Management Information Systems	3.0 credit hours
CIT 280	Network Design	3.0 credit hours
CIT 281	Network Administration and Technical Support	3.0 credit hours
CIT 282	Advanced Network Administration	3.0 credit hours
CIT 283	Networking on Azure and AWS	3.0 credit hours
CIT 381	Linux Technology	3.0 credit hours
CIT 382	Cloud Technology Developer	3.0 credit hours
CIT 383	Advanced Cloud Technology Architect	3.0 credit hours
CIT 384	Manage Cloud Technology Identities	3.0 credit hours
CIT 385	Cloud Technology Compute Services	3.0 credit hours
Elective		3.0 credit hours
Elective		3.0 credit hours

UPPER DIVISION MAJOR COURSES
UPPER DIVISION MAJOR COURSES (30 CREDITS REQUIRED)

COURSE NUMBER	COURSE NAME	CREDIT HOURS
CIT 406	Database Design	3.0 credit hours
CIT 407	T-SQL: Queries Design and Tuning	3.0 credit hours
CIT 408	Database Management Operations & Optimization	3.0 credit hours
CIT 410	Non-SQL Databases	3.0 credit hours
CIT 411	Programming with Python	3.0 credit hours
CIT 480	Security Technology	3.0 credit hours
CIT 481	Security Ethical Hacking	3.0 credit hours
CIT 482	Security Analyst	3.0 credit hours
CIT 483	Information Systems Security	3.0 credit hours
CIT 484	Advanced Information Systems Security	3.0 credit hours

Atlantis University

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BACHELOR OF
SCIENCE IN INFORMATION TECHNOLOGY

TECHNICAL AND SPECIALIST MAJOR COURSES
CERTIFICATIONS ARTIFICAL INTELLIGENCE
TECHNICAL AND SPECIALIST MAJOR COURSES (18 CREDITS REQUIRED)

COURSE NUMBER	COURSE NAME	CREDIT HOURS
CCAI 420	Artificial Intelligence Fundamentals	3.0 credit hours
CCAI 430	Machine Learning	3.0 credit hours
CCAI 440	Neural Network	3.0 credit hours
CCAI 450	Artificial Intelligence: Algorithms and Theory	3.0 credit hours
CCAI 460	Computer Vision: Foundations and Applications	3.0 credit hours
CCAI 470	AI Applications	3.0 credit hours

ELECTIVE COURSES
ELECTIVE COURSES

CIT 386	Cloud Network Design	3.0 credit hours
CIT 387	IaaS: Cloud Virtualization	3.0 credit hours
CIT 388	PaaS: Google App Services	3.0 credit hours
CIT 389	PaaS: AWS App Services	3.0 credit hours
CIT 390	PaaS: Azure App Services	3.0 credit hours