Atlantis University

PROGRAM BREAKDOWN

Master of Science in Information Technology

MASTER'S IN INFORMATION TECHNOLOGY

NEW TECHNOLOGIES AND NEW CAPABILITIES ARE WAITING FOR YOU

Are you wondering what kind of professional profile you need if you want to pursue an advanced degree in IT? You're in luck, then. Because the fact of the matter is, people of all backgrounds are welcome at this AU graduate program!

Maybe you're a veteran IT expert, who is looking to refresh your pre-existing skills and stay "in the know" with the trends in the field. Or maybe you have a steady career in a different industry, but you're a techie at heart, and you want to pivot to a tech-oriented job. Who's to say you can't start from scratch and reinvent yourself professionally?

Whichever the case, our Master's in Information Technology is exactly the type of degree that will allow you to achieve those dreams. This intense program is designed to educate you, of course. But more than that, it's created to challenge you every step of the way. Our courses are expertly aligned with the global IT industry, which means that our curriculum is second to none!

Students are prepared in such a way that, by the time they graduate, they are ready to supervise complex managerial roles in various technology sectors. Some of the subjects covered by this **Master's Degree** include cloud computing; Big Data analytics; network engineering; mobile web development; IoT Research; etc. That sounds like an intense roller coaster ride; yes, we know. However, we can all but guarantee that it'll be worth it.

And if that wasn't enough, there's one more option. You can take your Master's one step further and personalize it. Once you finish completing your main credits, you can opt in for a **Concentration in Cloud Technology**. If your head is always in the clouds, this one's for you.

THE OBJECTIVES

- To guide advanced students who want to perfect their preexisting digital skills in order to become top performers and tech innovators infuture managerial IT roles.
- To prep tech professionals with a wide variety of hands-on IT experiences that will help them know how to efficiently recognize, utilize, and
- maximize the industry's best practices.

According to the US Bureau of Labor, IT careers are coveted and in high-demand. In fact, this is one of the hottest and most relevant industries of the 21st century! Why? It's simple. Technology is evolving faster than at any other time in history, so with each passing year, companies are depending more on experienced professionals to manage their information and keep it secure.

With graduate degrees in IT, for example, Computer Systems Analysts in the USA are experiencing a never-before-seen level of growth: over 9% through the next several years. That's just one example of where a Master's Degree in IT could lead you. Oh, and did we mention that the median salary for a position like this is over $100,000?! What a competitive rate. It doesn't get much better than that.

EDUCATION LEVEL

MASTER'S DEGREE

The AU **Master's in Information Technology** is not for the faint of heart. But you probably already knew that, right?! Dare yourself to rise above the rest. You're already a techie expert... Now, become a top performer in your field. Stay updated with trending technological topics and learn how to adapt to the ever changing digital landscape.

Students enrolled in this **Master's Degree**, after successfully completing all credits within the program, may opt for a **Concentration in Cloud Technology.**

In order to complete this program, students are required a total of 30 Credit Hours. The estimated completion time is 20 months.

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Master of Science in Information Technology

(30 Graduate Level Semester Credit Hours – Estimated Completion Time 15 months)

Students enrolled in the Masters of Science in Cybersecurity must complete the following for graduation:

- 12 credits from the core courses.
- 15 credits from the technical courses.
- 3 credits for the final capstone project.
- Complete the three (3) co-requisite courses.

COURSE NUMBER	COURSE NAME	CREDIT HOURS
	Core Courses (12 credits).	
MET 510	Network Systems and Technologies	3 credit hours
MET 520	Cloud Computing and Data Analytics	3 credit hours
MET 530	Information Security	3 credit hours
MET 540	Systems Integration and Architecture	3 credit hours
	Technical Courses - 15 Credits	
	Information Technology Management (6 Credits Required): Choose two courses from the below	
MBA 671	Information and Technology Systems	3 credit hours
MCS 626	IT Operations	3 credit hours
MIT 501	E-Business Technology and Management	3 credit hours
MIT 534	Governance and Compliance	3 credit hours
MIT 622	High Performance Databases	3 credit hours
	Information Security (3 Credits Required): Choose two courses from the below	
MCS 516	Principles of Information Security	3 credit hours
MIT 537	Risk and Information Systems Control	3 credit hours
MIT 547	Information Security Management	3 credit hours
MIT 548	Information Security and Penetration Testing	3 credit hours
	Web Development Technologies (6 Credits Required): Choose two courses from the below	
EGN 512	High Performance Programming with Multicore and GPUs	3 credit hours
MIT 562	Programming and Application Development	3 credit hours
MIT 588	Software Development and Management	3 credit hours
MIT 602	ITIL Service Oriented Architecture	3 credit hours
	Final Research Project – 3 credits	
MCS 710	Final project (Capstone)	3 credit hours
	Degree requirements (3 co-requisite courses - No credit): All students must complete the three co-requisite courses as part of the requirement for graduation.	
LIS 400	Information Resources for Academic and Professional Success	0 credit hours
LIS 500	Scholarly Writing and Research Strategies	0 credit hours
LIS 700	Research Methodology	0 credit hours