

UONA.EDU

# Specializations that are in high demand!

## **Master of Business Administration (MBA)**

- Accounting
- Big Data
- Global Enterprise Management
- Health Care Administration
- Health Care Informatics
- Project Management
- Technology Management

## **Master of Science in Computer Science (MSCS)**

- Big Data
- Database Administration
- Information Security
- Project Management
- Software Engineering

## **Master of Science in Information Technology (MSIT)**

- Big Data
- Database Administration
- Health Care Informatics
- Information Security
- Java Programming
- Project Management
- Technology Management

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UoNA is accredited by the Accrediting Council for Independent Colleges and Schools (ACICS) and certified by the State Council of Higher Education for Virginia (SCHEV).



**UNIVERSITY OF NORTH AMERICA**

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# UNIVERSITY OF NORTH AMERICA

## MBA MSIT MSCS

### Specializations

#### ■ Accounting (ACT)

Students develop competencies in advanced accounting procedures, principles of taxation, comparative international accounting systems and standards, and auditing methodologies.

Courses required for ACT specialization are listed below:

Course #	Course Title	Credit Hours
ACCT 521	Advanced Accounting	4.5
ACCT 522	Principles of Taxation	4.5
ACCT 523	Auditing	4.5
ACCT 524	International Accounting	4.5

#### ■ Big Data (BD)

Students develop competencies in the life cycle of data analytics, solving big data problems, using big data technologies and visualizing information.

Courses required for BD specialization are listed below:

Course #	Course Title	Credit Hours
DATA 521	Tackling Big Data Challenges - Intro to Big Data	4.5
DATA 522	Solving Big Data Problems – Data Analytics	4.5
DATA 523	Big Data Technology Fundamentals	4.5
DATA 524	Information Visualization	4.5

#### ■ Database Administration (DA)

Students develop competencies in administering enterprise database systems, integrating knowledge in the areas of database design and processing, distributed databases, and data warehousing.

Courses required for DA specialization are listed below:

Course #	Course Title	Credit Hours
INST522	Database design and Processing	4.5
INST523	Database Administration	4.5
INST524	Big Data and the Enterprise	4.5
INST525	Business Intelligence and Data Warehousing	4.5

## ■ Global Enterprise Management (GEM)

Students develop competencies in managing businesses with an international focus, integrating knowledge in the areas of international business, strategic planning and competitive positioning.

Courses required for GEM specialization are listed below:

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
MGMT541	International Business	4.5
MGMT542	Principles of Global Management	4.5
MGMT572	Strategic Planning and Management	4.5
ECON540	Global Markets and Competitive Positioning	4.5

## ■ Health Care Administration (HCA)

Students develop competencies in health care administration, integrating knowledge in the areas of health care policy, finance and technology.

Courses required for HCA specialization are listed below:

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
FINS559	Health Care Finance	4.5
MGMT555	Issues in Health Care Administration	4.5
MGMT558	Health Care Policy	4.5
TECH582	Information Systems in Health Care Management	4.5

## ■ Health Care Informatics (HCI)

Students develop competencies in managing health care technology, integrating knowledge in the areas of healthcare policy, technology and project management.

Courses required for HCI specialization are listed below:

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
MGMT555	Issues in Health Care Administration	4.5
MGMT558	Health Care Policy	4.5
MGMT573	Fundamentals of Project Management	4.5
TECH582	Information Systems in Health Care Management	4.5

## ■ Information Security (IS)

Students develop competencies in assessing threats and vulnerabilities of information systems, designing security procedures and practices that are executed in the protection of data and information systems, and analyzing the validity and reliability of information to ensure that an information system will operate at a proposed level of trust.

Courses required for IS specialization are listed below:

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
INST540	Fundamentals of Information Security	4.5
INST541	Information Security Policy	4.5
INST542	Information Security Risk and Vulnerability Assessment	4.5
INST543	Forensics and Incident Response	4.5

## ■ Java Programming (JP)

Students develop competencies in software development using Java, integrating knowledge in the areas of programming language structures, software methodology, and software testing and integration.

Courses required for JP specialization are listed below:

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
CMSC501	Structure of Programming Languages	4.5
CMSC509	Software Methodology	4.5
CMSC583	Software Testing and Integration	4.5
CMSC589	Java Programming	4.5

## ■ Project Management (PM)

Students develop competencies in managing business and technology projects, integrating PMI domain knowledge in the areas of project performance management, project risk and quality management, and procurement management.

Courses required for PM specialization are listed below:

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
MGMT573	Fundamentals of Project Management	4.5
MGMT574	Project Performance Management	4.5
MGMT575	Managing Project Risk and Quality	4.5
MGMT576	Teamwork and Project Management	4.5

## ■ Software Engineering (SE)

Students develop competencies in software engineering; integrating knowledge in the areas software methodology, object oriented programming and project management.

Courses required for SE specialization are listed below:

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
CMSC509	Software Methodology	4.5
CMSC583	Software Testing and Integration	4.5
CMSC585	Object Oriented Programming	4.5
MGMT573	Fundamentals of Project Management	4.5

## ■ Technology Management (TM)

Students develop competencies in managing business technology operations, integrating knowledge in the areas project management, distributed database systems, and enterprise analytics.

Courses required for TM specialization are listed below:

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
INST518	Technology and Operations Management	4.5
INST524	Big Data and the Enterprise	4.5
INST525	Business Intelligence and Data Warehousing	4.5
MGMT573	Fundamentals of Project Management	4.5