

ONLINE BS IN CYBERSECURITY



A NATIONAL CENTER
OF ACADEMIC
EXCELLENCE PROGRAM

Utica College is proud to be designated a National Center of Academic Excellence in Cyber Defense education (CAE CD) by the National Security Agency (NSA) and

Department of Homeland Security (DHS). The BS in Cybersecurity program has also earned a National Center of Digital Forensics Academic Excellence (CDFAE) designation from the Defense Cyber Crime Center (DC3).

The Degree

Cybercrime is increasing: Several major technology and financial companies have faced major attacks by hackers. Statistics show that such crimes—including cyber terrorism and cyber espionage—are on the rise.

Clearly, cybersecurity grows more vital with every passing day. Professionals charged with the protection of computer systems and online data have to keep up with increasingly advanced technology and ever-changing attack and infiltration techniques.

A leader in economic crime programs for over 20 years, Utica College has designed the online cybersecurity degrees in response to a need for both undergraduate and graduate-level programs that combine state-of-the-art practices with leadership and planning. These programs will place graduates at the forefront of developments in a field that is growing as quickly as the technology itself.

Program Overview

With vital data and processes contained on networked computer systems, critical information infrastructures within businesses and governments are vulnerable to electronic attack. With an online BS degree in Cybersecurity from Utica College, you will have the critical knowledge needed on the front lines in the fight to keep data safe and secure.

SPECIALIZATIONS

The program offers these in-demand specializations:

Cybercrime and Fraud Investigation - Learn the latest techniques used to accumulate data and evidence in prosecuting cybercrimes, such as credit card fraud, intellectual property theft, pedophilia, terrorism, hacking, and more.

Information Assurance - Gain an understanding of the wide range of vulnerabilities and threats that affect computer networks and be prepared to protect critical information in cyberspace.

Network Forensics and Intrusion Investigation - Combines elements of computer science with computer forensics and vulnerability assessment. Learn to investigate cyber related incidents in a computer network environment.

Cyber Operations - Learn defensive and offensive tactics, techniques and procedures. Focus on computer programming, as well as operating systems, vulnerability assessment and penetration testing.

ONLINE BS IN CYBERSECURITY CURRICULUM

Students who have already earned at least 57 credits from a 4-year institution or an associate's degree are eligible to enroll in Utica College's Online program. Our online classes are small and students and faculty work closely together in a virtual environment designed to promote personal and professional development.



MAJOR COURSE REQUIREMENTS

CENTRAL COURSES (19 CREDIT HOURS)

| | | |
|---------|--|---|
| CRJ 101 | Seminar in Justice Studies | 1 |
| CRJ 103 | Introduction to Criminal Justice | 3 |
| CYB 107 | Computer Hardware and Peripherals OR | 3 |
| CYB 228 | Cyber Technologies for Criminal Justice | 3 |
| CYB 205 | Software Foundations for Cybersecurity | 3 |
| CYB 333 | Information Security | 3 |
| CRJ 335 | Cybercrime Law and Investigations OR | 3 |
| GOV 341 | Jurisprudence of the Criminal Law | 3 |
| CYB 362 | Information Systems Threats, Attacks and Defense | 3 |

ETHICS (3 CREDIT HOURS)

| | | |
|---------|---------------------|---|
| PHI 107 | Ethics OR | 3 |
| PHI 108 | Professional Ethics | 3 |

CROSS DEPARTMENTAL (9 CREDIT HOURS)

| | | |
|-------------|---|---|
| PSY/SOC 211 | Statistics in the Behavioral Sciences OR | 3 |
| ECN 241 | Statistics OR | 3 |
| MAT 112 | Basic Statistics | 3 |
| MAT 147 | Math for Cyber Security | 3 |
| SOC 274 | Criminology | 3 |
| SOC 376 | Criminological Research Methods | 3 |

PROFESSIONAL DEVELOPMENT (6-9 CREDIT HOURS)

| | | |
|---------|--|---|
| CRJ 461 | Proseminar in Justice Studies | 3 |
| CRJ 470 | Internship (department restrictions apply) OR | 6 |
| CRJ 475 | Senior Project | 3 |

SPECIALIZATION COURSES

CYBERCRIME AND FRAUD INVESTIGATION (21 CREDIT HOURS)

| | | |
|---------|---|---|
| CRJ 232 | Economic Crime Theory OR | 3 |
| CRJ 321 | White-collar Criminology | 3 |
| CYB 338 | Applied Cryptography OR | 3 |
| CYB 348 | Information Assurance Risk and Compliance | 3 |
| CYB 355 | Cybercrime Investigation and Forensics I | 3 |
| CYB 356 | Cybercrime Investigation and Forensics II | 3 |
| CYB 455 | Cybercrime Investigation and Forensics III | 3 |
| CRJ 347 | Fraud Prevention and Detection Technologies | 3 |
| CRJ 354 | Payment Systems and Fraud | 3 |

NETWORK FORENSICS AND INTRUSION INVESTIGATION (21 CREDIT HOURS)

| | | |
|---------|--|---|
| CSC 101 | Computer Science I | 3 |
| CYB 337 | Computer Network Investigations | 3 |
| CYB 355 | Cybercrime Investigations and Forensics I | 3 |
| CYB 356 | Cybercrime Investigations and Forensics II | 3 |
| CYB 438 | System Vulnerability Assessment | 3 |
| CYB 455 | Cybercrime Investigation and Forensics III | 3 |
| CYB 457 | Network Forensics | 3 |

CYBER OPERATIONS (21 CREDIT HOURS)

| | | |
|---------|------------------------------------|---|
| CSC 101 | Computer Science I | 3 |
| CSC 316 | Object-oriented Programming | 3 |
| CYB 339 | Cyber Operations Tools | 3 |
| CSC 323 | Introduction to Networks OR | 3 |
| CYB 337 | Computer Network Investigations | 3 |
| CYB 338 | Applied Cryptography | 3 |
| CYB 438 | System Vulnerability Assessment | 3 |
| CYB 439 | Introduction to Malware Analysis | 3 |

INFORMATION ASSURANCE (22 CREDIT HOURS)

| | | |
|---------|---|---|
| CSC 101 | Computer Science I | 3 |
| CSC 201 | Discrete Mathematics I | 4 |
| CSC 225 | Introduction to the UNIX Operating System | 3 |
| CSC 316 | Object-oriented Programming | 3 |
| CSC 323 | Introduction to Networks OR | 3 |
| CYB 337 | Computer Network Investigations | 3 |
| CYB 438 | System Vulnerability Assessment | 3 |
| CYB 348 | Information Assurance Risk and Compliance | 3 |

Specialize Your 21st Century Skillset with an **ONLINE BS IN CRIMINAL JUSTICE**

The **online Bachelor of Science in Criminal Justice** reflects the world's current need for a diverse range of professionals to fight and prevent crime while managing offenders. You'll choose from **five specializations** to align your experiential coursework with your career goals.

Public Policy & Leadership



Demonstrate how criminal studies policy can affect, and be affected by research while learning the theory of designing public policy and measuring its impact. Become an effective leader as you learn how to address all areas of management including planning, organizing, controlling, leading, and staffing.

Legal Issues in Criminal Justice



Prepare to lead criminal investigations with a solid foundation of policies, legal issues, and investigative techniques and strategies. Understand the implications for investigation and enforcement on a global scale, including internet fraud, e-commerce, and threats to the national infrastructure.

Cyber Criminology and Policy



Understand how IT, cybersecurity, social networking, cloud computing, cryptography, data hiding, anonymity, and surveillance concepts relate to the modern criminal justice organization.

Homeland Security



Defend our nation as you demonstrate knowledge of the Emergency Management response cycle, learn the importance of FEMA, the Incident Command System, and the National Incident Management System. Learn risk assessment, training, emergency management, disaster recovery, and the global aspects of security administration.

White-Collar Crime



Prepare to deal with fraud in face-to-face transactions, e-commerce, and e-business. You'll also study organized crime and corruption in the United States, and its impact on social, economic, and political institutions.

PROGRAM ADVANTAGES

Utica College's online BS in Criminal Justice reflects the world's current need for diverse crime-fighting and prevention professionals. As white-collar and cyber-crime become more prevalent, laws change, and new priorities develop, so does the demand for criminal justice professionals with specialized skill sets.

Develop Your Ability To:

- Investigate Criminal Behavior
- Rehabilitate Offenders
- Support the Justice System

Work closely with faculty who are experts in their field as you gain real-world knowledge through experiential coursework.

The **International Association of Law Enforcement Intelligence Analysts (IALEIA)** formally recognizes Utica College's suite of programs in Economic and Justice Studies for excellence. We maintain an academic membership in the organization.

ONLINE BACHELOR OF SCIENCE IN CRIMINAL JUSTICE

Students who have already earned an associate's degree or at least 57 credits from a 4-year institution are eligible to enroll in Utica College's online BS in Criminal Justice program.

The program consists of a total of 120 credit hours.



MAJOR COURSE REQUIREMENTS

CENTRAL COURSES

| | | |
|---------|---|---|
| CRJ 101 | Seminar in Justice Studies | 1 |
| CRJ 103 | Introduction to Criminal Justice | 3 |
| CRJ 208 | Ethics in Criminal Justice | 3 |
| CRJ 222 | Criminal Justice Communications | 3 |
| CRJ 212 | Policing Theory and Practice OR | 3 |
| CSC 224 | Corrections Theory and Practice OR | 3 |
| CRJ 235 | Courts Theory and Practice | 3 |
| CRJ 334 | Economic Crime Investigation OR | 3 |
| CRJ 337 | Computer Network Investigations OR | 3 |
| CRJ 347 | Fraud Prevention and Detection Technologies | 3 |

TECHNOLOGY

| | | |
|---------|---|---|
| CRJ 107 | Computer Hardware and Peripherals OR | 3 |
| CRJ 228 | Cyber Technologies for Criminal Justice OR | 6 |
| CSC 217 | Computer Programming for Business Applications | 3 |

CROSS DEPARTMENTAL

| | | |
|-------------|---|---|
| PSY/SOC 211 | Statistics in the Behavioral Sciences OR | 3 |
| ECN 241 | Statistics OR | 3 |
| MAT 112 | Basic Statistics | 3 |
| PSY 101 | Introduction to Psychology | 3 |
| SOC 274 | Criminology | 3 |
| SOC 376 | Criminological Research Methods | 3 |

LAW

| | | |
|---------|-----------------------------------|---|
| CRJ 342 | Law and Justice OR | 3 |
| GOV 341 | Jurisprudence of the Criminal Law | 3 |

PROFESSIONAL DEVELOPMENT

| | | |
|---------|--|---|
| CRJ 461 | Pro-seminar in Justice Studies | 3 |
| CRJ 470 | Internship (department restrictions apply) OR | 6 |
| CRJ 475 | Senior Project | 3 |

SPECIALIZATION COURSES (COMPLETE 12 CREDITS WITHIN A SPECIALIZATION)

CYBER CRIMINOLOGY AND POLICY

- Cyber Technologies for Criminal Justice **OR** Economic Crime Theory **OR** Criminology
- Introduction to Intelligence Studies **OR** Introduction to International Politics
- Terrorism
- Fraud Prevention and Detection Technologies
- Homeland Security and Counter Terrorism
- Evidence-based Crime Policy
- Computer Network Investigations

WHITE-COLLAR CRIME

- Economic Crime Theory
- Criminology
- Corruption and Organized Crime
- White-collar Criminology
- Economic Crime Investigation
- Law of Economic Crime
- Fraud Prevention and Detection Technologies
- Payment Systems and Fraud

LEGAL ISSUES IN CRIMINAL JUSTICE

- Ethics in Criminal Justice **OR** Policing Theory and Practice **OR** Courts Theory and Practice
- Cybercrime Law and Investigations
- Law and Justice
- Law of Economic Crime
- Criminal Evidence
- Jurisprudence of the Criminal Law
- Constitutional Law in the Governmental Process
- International Criminal Law

HOMELAND SECURITY

- Policing Theory and Practice
- Terrorism
- Homeland Security and Counter Terrorism
- Emergency Management
- Security Administration
- Information Security
- Information Privacy
- International Criminal Justice: Issues and Comparisons
- Introduction to International Politics

PUBLIC POLICY AND LEADERSHIP

- State and Local Government **OR** Civil Rights, Public Policy, and Social Change **OR** Principles of Organization and Management **OR** Race and Ethnicity
- Administrative Issues in Criminal Justice
- Evidence-based Crime Policy
- Public Administration
- American Public Policy
- Ethical Issues in Contemporary Science and Technology
- Political Ethics
- Healthcare Ethics

PUBLIC POLICY AND LEADERSHIP

Take general elective courses as needed to reach a minimum of 60 credits of CJ coursework. Only two, 200-level courses will apply. Courses taken as General Electives cannot also be used to satisfy other major graduation requirements.

ONLINE MS IN CYBERSECURITY



A NATIONAL CENTER
OF ACADEMIC
EXCELLENCE PROGRAM

Utica College's online MS in Cybersecurity offers students advanced knowledge and hands-on experience in intelligence, critical infrastructures, and investigative principles as they relate to cybercrime. The curriculum includes courses on extremist groups, discovery techniques including key logging, infiltration of systems and exfiltration of information and prepares students for leadership and investigative roles in both the public and private sectors.

The 30-credit program provides options for students who wish to explore potential new careers or expand their current knowledge base in counter-intelligence, aerospace, defense cyber operations, homeland security, law enforcement, and computer forensics.

With the skills you'll gain in this program, you may find career opportunities at:

- Federal, state and local law enforcement and national security agencies
- Banks and other financial institutions
- Insurance companies
- Hospitals and other health care facilities

Students from diverse professional backgrounds with limited computer software or networking training will be required to successfully complete a foundational Cybersecurity course as a part of the program.

SPECIALIZATIONS

- **Intelligence:** Designed for professionals interested in cyber intelligence and counter-intelligence, cyber counter-terrorism, and cyber counter-sabotage. The curriculum covers analysis of global and national cybersecurity policies, the study and protection of critical infrastructures, as well as operations involving cyber threats and defense.
- **Computer Forensics:** Designed for individuals interested in collecting and preparing evidence of complex or high-level computer crimes. The curriculum emphasizes a comprehensive understanding of the forensic tools and techniques used to investigate and analyze network-related incidents and preserve digital evidence.
- **Cyber Operations:** Designed for students who wish to protect and defend organizations from cyber attacks. Students gain the critical knowledge needed through a hands-on, lab-oriented curriculum that includes an in-depth examination of cyber tactics, techniques, procedures and more.
- **Malware Analysis:** Designed for students interested in understanding the technical aspects of malware analysis. Coursework focuses on the basics of malware, identification of malware, and mitigation of the effects of malware.
- **Electronic Crime:** Designed for students interested in understanding the technical, legal, and ethical aspects of electronic crime, white collar crime and fraud investigation. Coursework will focus on risk and compliance, legal issues, fraud management and advanced techniques for performing fraud analysis.
- **Data Analytics:** Designed for those who want to enhance the cybersecurity industry through data-driven solutions. Coursework covers topics in data theory, predictive analytics, statistical methods, data mining, machine learning, and data visualization.
- **Cyber Policy:** Learn to protect digital information from cyber attacks by developing and implementing policy. Study legal foundations of information security, risk management, international considerations, and cyber ethics.

HOW QUICKLY CAN I COMPLETE THIS DEGREE?

Our 30 credit hour program is designed to be completed in about 18-20 months.

IS THERE A RESIDENCY? WHAT DOES IT INVOLVE?

Yes, the residency is a two-day virtual seminar. It will be held on a Saturday & Sunday prior to your first semester or when you take CYB 605 (dual specialization students may have a different residency schedule). The residency provides unique, powerful opportunities to collaborate with faculty and peers, to participate in hands on team/individual lab work using state of the art technology, and to implement learned knowledge. Students who attend the residency on-campus also have the opportunity to tour the state-of-the-art forensics research lab.

WHAT FACILITIES AND OTHER RESOURCES ARE AVAILABLE?

Utica College has remained at the forefront of research collaboration. The **Center for Identity Management and Information Protection**, is dedicated to furthering a national research agenda on identity management, information sharing, and data protection. The **Northeast Cyber Forensics Center** of Utica College supports education and research in economic crime and information security, providing a reliable resource for innovative solutions to corporate, government, and law enforcement entities.

ONLINE MASTER'S DEGREE IN CYBERSECURITY CURRICULUM

CORE REQUIREMENTS

| | | |
|----------------|--|----------|
| CYB 605 | Principles of Cybersecurity | 3 |
| CYB 610 | Cyber Intelligence | 3 |
| CYB 633 | Critical National Infrastructures and National Security | 3 |

| | | |
|----------------|--|----------|
| CYB 673 | Principles of Cybercrime Investigations | 3 |
| CYB 695 | Capstone Project I | 3 |
| CYB 696 | Capstone Project II | 3 |

INTELLIGENCE SPECIALIZATION

| | | |
|---------|--|---|
| CYB 615 | Cyber Counterintelligence | 3 |
| CYB 616 | International Terrorism | 3 |
| CYB 671 | Open Source Cyber Surveillance | 3 |
| CYB 617 | Cyber Conflict | 3 |
| CYB 674 | Cyber Data Fusion | 3 |
| CYB 667 | Critical Incident Command, Response, and All Hazards | 3 |

COMPUTER FORENSICS SPECIALIZATION

| | | |
|---------|---|---|
| CYB 624 | Essential Topics and Emerging Trends in Cybercrime Investigations | 3 |
| CYB 651 | Computer Forensics and Investigation Methods | 3 |
| CYB 652 | Intrusion Forensics and Network Analysis | 3 |
| CYB 653 | Network Forensics | 3 |
| CYB 659 | Advanced Topics in Computer Forensics | 3 |

MALWARE ANALYSIS SPECIALIZATION

| | | |
|---------|----------------------------------|---|
| CYB 617 | Cyber Conflict | 3 |
| CYB 641 | Computer and Network Operations | 3 |
| CYB 643 | Autonomous Cyber Operations | 3 |
| CYB 689 | Advanced Topics in Cybersecurity | 3 |
| CYB 691 | Malware Practicum | 3 |

CYBER OPERATIONS SPECIALIZATION

| | | |
|---------|-------------------------------------|---|
| CYB 640 | Tactics, Techniques and Procedures | 3 |
| CYB 641 | Computer and Network Operations | 3 |
| CYB 642 | Access Methods and Data Hiding | 3 |
| CYB 643 | Autonomous Cyber Operations | 3 |
| CYB 649 | Advanced Topics in Cyber Operations | 3 |

DATA ANALYTICS SPECIALIZATION (Take 4 of the 5 courses)

| | | |
|---------|------------------------------|---|
| DSC 501 | Introduction to Data Science | 3 |
| DSC 503 | Statistical Methods | 3 |
| DSC 607 | Data Mining | 3 |
| DSC 609 | Machine Learning | 3 |
| DSC 611 | Data Visualization | 3 |

ELECTRONIC CRIME SPECIALIZATION

| | | |
|---------|--|---|
| FCM 535 | Legal and Regulatory Issues for Fraud Management | 3 |
| FCM 627 | Fraud Management: Risk and Compliance | 3 |
| FCM 631 | Fraud Management and Technology | 3 |
| FCM 642 | Advanced Fraud Analysis | 3 |

CYBER POLICY SPECIALIZATION

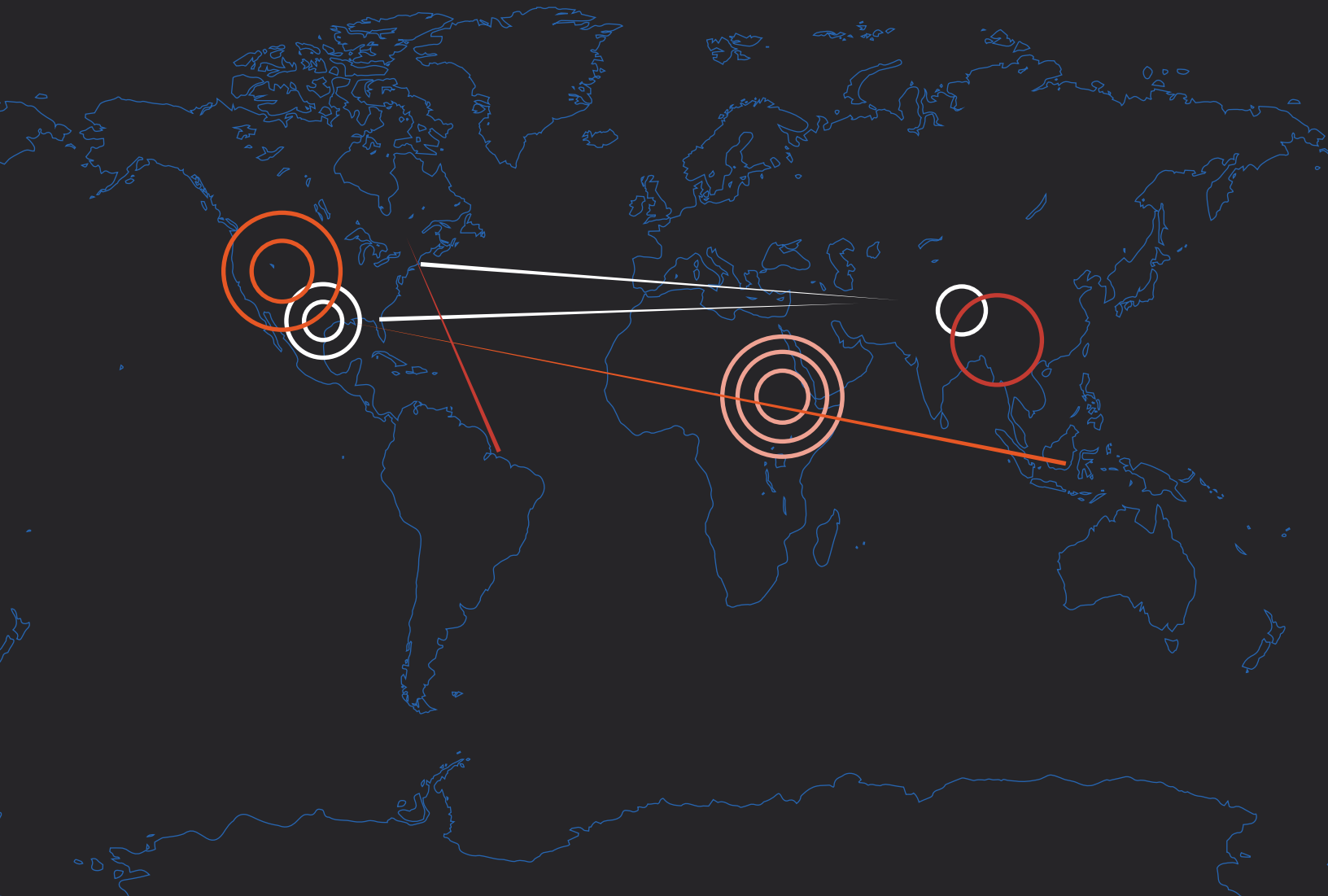
| | | |
|---------|---|---|
| CYB 665 | Legal Foundations of Information Security and Privacy | 3 |
| CYB 668 | Organizational Risk Management Frameworks | 3 |
| CYB 688 | International Aspects of Cyber | 3 |
| PHI 655 | Cyber Ethics* | 3 |

CENTER OF EXCELLENCE DESIGNATIONS

Utica College is proud to be designated a National Center of Academic Excellence in Cyber Defense Education (CAE-CD) by the National Security Agency (NSA) and Department of Homeland Security (DHS).



The Cybersecurity Career Guide



UTICA
COLLEGE

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Introduction

What used to be the domain of fanciful Hollywood movies and a few extremely talented hackers is now a thriving career field. Thousands of opportunities are available in cybersecurity with government, business, and non-profit organizations. [According to NetworkWorld](#), now is one of the best times to enter the industry.

Cyber weaknesses and issues arise from forces outside the organizations, as well as from internal employees and contractors. These are a few of the types of threats that a cyber security professional work against:

- Trojans designed to get unsuspecting users to run malware that's disguised software
- Phishing attacks through email that trick recipients into providing personal, sensitive information
- Ransomware that locks users' files until the victims pay to free the files
- Point of sale attacks, like the one that targeted retail giant [Target](#) in 2013

Even momentary access points with assumed partners can open up defenses enough to cause big problems if not prepared for properly. After all, every system follows the same principle: they are only as strong as the weakest link, and it's the cyber security analyst's job to

find and neutralize those weak points as they occur, or to prevent them from happening at all.

Cybersecurity analysts help organizations keep their technology systems running efficiently and without disruption, as well prevent theft of sensitive information. The assets to be protected can range from government and military files to financial records and customer information. Protection is ongoing and continuous in monitoring and identifying weaknesses. Expert cyber security analysts prevent organizational and financial disasters with technology and save time, money and productivity.

According to [May 2014 data from the Bureau of Labor Statistics](#), the average annual salary for information security analysts nationwide was approximately \$90,000, with wages for the top 10% exceeding \$140,500. Cyber security positions frequently earn a premium over other IT jobs by as much as \$10,000 annually. [According to Burning Glass Consulting](#), cyber security job openings have increased three times faster than for IT jobs in general, and cyber security professionals can earn 9% more than non-cyber IT workers.

This guide is for anyone considering a career in cybersecurity. It covers cyber security careers by sector and job type, and it wraps up with an overview on where students might begin their cybersecurity career paths.

Chapter 1: Cybersecurity Careers by Sector

Like many technical fields, cyber security can be broken into a number of specialty areas, and this guide looks at six: government, telecommunications, finance and business, retail, utilities and transportation. Although the industries differ in their scopes, [the BLS explains](#) that roles of cyber security professionals are similar across industries. They are responsible for:

- Monitoring an organization's network
- Installation of software (such as firewalls and data encryption programs) to protect the network and to facilitate the monitoring task
- Prepare reports on findings
- Conduct testing that simulates attacks to find vulnerabilities
- Continually conduct research to stay ahead of technology
- Develop the organization's cyber security policy
- Educate all network users and ensure they follow policies and guidelines
- Create and update a disaster recovery plan

Government

Government cybersecurity jobs are predominantly in the areas of intelligence, military, law enforcement, emergency management, and data system protection of sensitive areas, such as nuclear labs. The U.S. Government Accountability Office [urges federal agencies to heighten protection](#) of breaches that involve personally identifiable information (PII). Such breaches have increased from 10,481 in 2009 to 25,566 in 2013.

Government databases make ripe targets for stealing information and sabotaging it; therefore, much of the defensive side is focused on system integrity, preventing intrusions, and identifying culprits. The proactive side is aligned with identifying, tracking, and anticipating the motivations of people and entities that are considered risks to government. Positions in civil service come with employment protections and defined benefit packages. High-level analysts may move into political roles.

A good source for career information can be found with the [National Initiative for Cybersecurity Careers and Studies](#). There is also the [Resource Center for State Cybersecurity](#), which is focused more on state and local issues versus federal.

Some of the agencies that are consistently looking for cyber security professionals are: The Department of Homeland Security, Federal Bureau of Investigation, and National Security Agency. Below are links to various federal agencies that are hiring:

- [National Security Agency](#): "Cyber is a team sport." Jobs are available in computer science, computer engineering, electrical engineering, intelligence analysis and mathematics
 - [NSA Careers](#) – Register and search for NSA jobs by keyword.
- [Department of Homeland Security](#): "...the demand for an experienced and qualified workforce to protect our nation's networks and information systems has never been higher."
 - [Homeland Security Job Search](#)
- [Federal Bureau of Investigation](#): "As computer and online usage continues to grow, so does the FBI and our responsibilities."
 - [FBI Jobs Search](#)

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- [U.S. Army Cyber Command](#): “We want to recruit, develop and retain the 21st century cyber warrior.”
 - [Army Civilian Job Search on USAJobs](#)
- [Defense Cyber Crime Center](#): “DC3 employees tackle an array of technical and mission challenges.”
 - [USAJobs](#) – Search for a job with DC3

Telecommunication

Telecommunication careers are associated with preserving and protecting communication systems. Cyber security analysts spend much of their time monitoring and guarding systems as well as tracking hackers. Additionally, they are the testers who make sure networks are not compromised.

It’s often the case that these positions help law enforcement and government agencies pull together the data needed for evidence and arrests. They spend much of their time watching risk environments to determine what the next new types of threats will be to telecommunication systems. The industry has several associations, which include the [National Telecommunications Cooperative Association](#) for rural networks, and the [National Cable & Telecommunications Association](#) as well as the [Telecommunications Industry of America](#).

Finance and Business

Financial systems are big targets for attacks, up to [300% more often](#) than other data systems according to a study by commercial cybersecurity company Raytheon | Websense. Financial security analysts spend a good portion of their days looking for risks, responding to potential intrusions, and helping investigations and compliance audits.

The Burning Glass Cybersecurity Jobs report tells us that cyber security jobs that require accounting and finance skills along with IT security knowledge are the hardest jobs to fill. These two skillsets are rarely taught and learned together. Those who are proficient in both would be highly sought after in this industry. The finance and insurance sector accounted for 13% of Burning Glass’s cyber security job postings for 2014.

Financial security experts can be involved in investigating a number of issues, including embezzlement, insider trading and outright electronic theft. It’s frequently cyber security analysts in the financial field who reconstruct an intrusion and trace it back to the culprit. No surprise, the [American Bankers Association](#) has a strong interest in cyber security even though the association is generally affiliated with the overall banking industry. The [Association of Financial Professionals](#) also has a section of its efforts dedicated to cyber security issues.

Retail

Retail cyber security analysts are hired to keep merchant pay systems protected from hacking and diversion of transactions. The retail industry works hard to garner and maintain the trust and loyalty of its customers. A breach and subsequent backlash from the often nationally publicized event can be devastating for a company.

Retail analysts are typically in hard positions, as they monitor attacks and work feverishly to shut them down as they occur. They also put a lot of time and effort into design defenses alongside system administrators. The [National Retail Federation](#) is an advocate of cyber security and has been pushing for “pin and chip” technology, which adds protection to shoppers who pay for purchases with credit and debit cards. Professionals in retail cyber security are integrally involved with monitoring proposed policy changes and how they might affect their organizations’ retail operations.

Utilities and Infrastructure

Utility infrastructure organizations include water, electricity, natural gas, and fuel pipeline systems. Given how much automation and network connection is involved with managing these utility systems, cyber analysts are critical in keeping related networks protected and running smoothly.

Monitoring and looking for anomalies is often the main defense aside from creating programs to identify breaches. [The U.S. Department of Energy](#) is one of the biggest influencers of utility cyber security, but the field category is very much in its infancy. That said, utilities are paying attention. The [American Gas Association](#), the [American Water Works Association](#), and the [American Public Power Association](#) are making cyber security a priority topic.

Transportation

The [American Public Transportation Association's](#) white paper entitled "[Cybersecurity Considerations for Public Transit](#)" provides cyber security recommendations for the industry. The association advocates more agility in digital infrastructure in order to fight penetration and recover quickly, whether incidents are from attacks, accidents or natural disasters.

APTA's paper illustrates what the transportation information ecosystem looks like. It is comprised of the following areas, all of which need cyber security protection because vulnerability trickles down throughout systems:

- Operational Systems: Examples include railroads, tracks and signal controls
- Enterprise Information Systems: Examples include third-party software, email systems
- Subscribed Systems: These are managed systems outside of the agency. Examples include Internet service providers, hosting companies, data storage (cloud)

Other organizations highly involved in the protecting and advocating on behalf of public transit safety are [Transit Cooperative Research Program](#) and the [Intelligent Transportation Society of America](#).

The International Air Transport Association prepared its second edition of the [Cybersecurity Toolkit](#). As the aviation industry is heavily dependent on computer systems, this toolkit provides extensive information along with 17 training videos.

In October 2014 the U.S. Department of Transportation published [A Summary of Cybersecurity Best Practices](#). The paper discusses how aircraft navigation and communications functions are no longer operating as isolated and independent systems; rather they are part of a new environment of global connectivity. Because of this, the security of these systems must be scrutinized.

Given how much automation and network connection is involved with managing these utility systems, cyber analysts are critical in keeping related networks protected and running smoothly.

Cybersecurity Job Categories

The Burning Glass Cybersecurity Job report indicates seven job categories in the career field:

| Job Title | Job Example | Median Annual Salary |
|--------------------------|------------------------------|------------------------|
| Engineer | Network security engineer | \$85,000 ¹ |
| Manager or administrator | Information security manager | \$102,000 ¹ |
| Analyst | Cyber intelligence analyst | \$75,000 ² |
| Specialist or technician | IT security specialist | \$79,000 ³ |
| Architect | Network security architect | \$98,000 ⁴ |
| Auditor | IT auditor | \$65,000 ¹ |
| Consultant | Network security consultant | \$81,000 ¹ |

Sources:

¹ [PayScale](#)

² [SimplyHired](#)

³ [Glass Door](#)

⁴ [BLS](#)



Chapter 2

Cybersecurity Careers by Job Type

Cyber security functions are typically classified in functional categories for general description and job placement. These categories include a variety of organizational job types such as operations, policy and management, forensics or investigations, data collection and archiving, emergency management, and intelligence. Clearly, some areas are more specific to certain industries than others. Both intelligence and emergency management, for example, have the most demand in governmental operations. Each category includes description of what is needed for an analyst to succeed in that functional area, according to the [National Initiative for Cybersecurity Careers and Studies](#).

Cyber security analysts with operational experience can move into executive roles. These roles can include CIOs, chief security officers, and chief technical officers.

Operations

The operations area keeps the system running, installs hardware and software, provides maintenance, and is often the first to see major intrusions because they frequently get the first call of trouble, or they catch the variance in monitoring reports. Cyber security analysts in this category have a primary focus of maintaining network efficiency and productivity. They are often the unsung heroes who implement security systems and create and enforce security protocols. They work with the staff that installs new equipment and software to ensure that devices and programs comply with company policies. These professionals look for vulnerabilities when technology companies roll out patches or updates.

Operations are often the function that is relied upon for long-term IT planning and developing proposals for new needs. They are called upon to develop cost/benefit analyses, including security risks, for new projects and expansion of existing systems. They can regularly play the presenter's role in front of executive management as well as provide support to senior managers. Finally, operations frequently provide the legwork for policy development, confirming the technical aspects of policy literature before it is applied to an organization.

Cyber security analysts with operational experience can move into executive roles. These roles can include CIOs, chief security officers, and chief technical officers.

Intelligence

Cyber intelligence analysts working in governmental and law enforcement agencies are responsible for not only collecting data and performing data mining, but also identifying and developing strategies for better network and system protection. Intelligence and law enforcement agencies are large repositories of data, and cyber security professionals use the data to look for weaknesses and predict where risks

might come from. Their efforts help contribute to stopgap measures for instances when security threats are identified.

A critical role of intelligence involves investigation and analysis. It's a field where these professionals spend long hours gathering information and identifying important trends for predictive analysis. That information is compiled quickly and distributed to decision-makers for strategic plans. Without intelligence, an organization is wide open to attack.

Forensics

The preventive work doesn't stop when the attack or damage occurs. Forensics plays a key role in investigative matters, finding and collecting evidence that not only identifies how a weakness and attack occurred but also who is involved and where more attacks might come from. The forensics cyber security analyst is someone who has developed an expertise in both hardware and software, particularly with the ability to extract information from components even when they have been damaged or deleted.

Forensics also plays a field role in evidence gathering and preserving evidence. Both government agencies and private companies have a need for forensics cyber security analysts. The role for government is in the realm of investigation for civil and criminal matters. For private companies, forensics allows a company to spot and neutralize internal and external threats. They work closely with intelligence and operations cyber professionals to prevent the failure from recurring.

Emergency Management

People who work in emergency management cyber security will find themselves predominantly working in government positions for a variety of agencies, reports the [National Governors' Association](#). While law enforcement is the most common, emergency management also includes fire and disaster response, public health, water systems, oil and petroleum infrastructure, and transportation. The analyst's role is to maximize technology tools to assist and make emergency response as quick and efficient as possible. [According to FEMA](#), analysts turn the technology information into critical reports as incidents occur, which become the basis for operational program decisions and resource allocations.

Analysts in the emergency management field have bachelor degrees in justice, fire science, computer science, and public policy. They could also train further with a master's degree in cybersecurity. In many cases, some of the most critical players have significant experience working in uniform positions and have crossed over into IT for additional support and technical training.

[Emergency Management magazine](#) reports that the category of emergency response support is growing tremendously, especially as federal and local agencies are beginning to share networks, standards, training, and information. This has opened a key vacuum for cyber security as much of the data sharing is electronic in nature and uses databases with multiple points of input and output.

The forensics cyber security analyst is someone who has developed an expertise in both hardware and software.

Policy

Policy comes in two forms: as directives from management and in response to things that occur in daily operations. Both are important in protecting organizations. One is overt and direct, while the other is indirect and creates functional parameters.

System administrators handle these responsibilities, and they take care of everything from Internet activity to internal and intranet platforms. These are some of the most important sources of information in an organization's computer network system.

The ongoing monitoring works like white blood cells in a human body, constantly roving, reporting and looking for anomalies in a network and related databases. This monitoring is responsible for existing network security testing, patching, and confirming defense systems are working correctly. Many hackers know human error provides the opportune entrances to a system, so it's the administrator's job to make sure this doesn't happen.

Data Collection & Fusion

The review and collection of data may seem like a mundane role, but it is often the foundation of intelligence as well as the protection of operations. Data collection and fusion are frequently about finding unidentified trends and risks to an organization. This requires skill in **data mining** and identifying flaws that might not be obvious to others inside the system. A "second set of eyes" is frequently the needed analysis to point out what gets missed through routine and complacency.



Chapter 3

Graduate Education and Experience in Cybersecurity

Utica College's Master of Science in Cybersecurity

[According to the Information Systems Security Association](#), the cyber security career has a distinct lifecycle. It is at specific phases in that cycle where candidates become valuable to hiring agencies and companies. These phases are:

- Pre-professional
- Entry level
- Mid-career
- Senior level
- Security leader

Academic Excellence

Utica College's Master of Science in Cybersecurity is designed and intended to validate a student's formal training and give him or her credentials from a school with an excellent reputation recognized by the NSA and DHS as a National Center for Academic Excellence. At the same time, the flexible schedule and format of the online program allows working adults to maintain their careers without choosing between the education and work.

Students graduating with Utica's M.S. in Cybersecurity field can seek roles in:

- Intelligence and counter-intelligence for governmental agencies at all levels and jurisdictions

- Security roles that require fast and immediate critical thinking in digital security
- Investigation roles in computer and technology forensics and data recovery
- Liaison positions that bridge the technology administrative side to field operations
- Internal audits and ethics monitoring roles for ensuring protection and adherence to security policies
- Law enforcement roles supporting digital crime prevention and criminal prosecution based on cyber evidence
- Emergency management support and infrastructure protection, ensuring response agencies can function under extreme conditions and threats.

Faculty Network

The faculty at Utica College has deep connections with government and industry professionals, providing references and guidance on career opportunities in the field. This network and real-world faculty know-how is extremely valuable, especially for those who are seeking entry into highly competitive areas.

Hands-On Experience

As part of the curriculum, students are provided with fully licensed versions of industry software, such as VMWare, which gives them the familiarity to easily engage with software that is found on the job. Moreover, some courses offer live environments in which students perform actual offensive and defensive attacks. Utica College is one of the few schools that make industry-level software and real-world simulations available to students.

Learn More

Are you a problem-solver? Cyber security requires people and experts who are natural solution finders, who can work on their feet and under ad hoc conditions, who thrive on challenges and can deal with the ambiguous and unknowns every day.

Are you a good communicator? Cyber security involves technical demands that must be communicated to senior managers who might not be well versed in technology. Clear communication channels are important during times of challenge, and cyber security experts maintain those channels when risks are identified.



Are you interested in a rewarding career in the cybersecurity field? Find out how you can advance your education and combat cyber-threats with the Master of Science in Cybersecurity degree from Utica College online.

[Request More Information!](#)



programs.online.utica.edu



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ONLINE MASTER OF SCIENCE IN DATA SCIENCE

ANALYZE INFORMATION TO SUPPORT AND DIRECT STRATEGY

The online **Master's in Data Science at Utica College** shows you how to analyze raw data for insights that can lead to innovative ideas and solutions in a variety of fields. This program also offers a distinct focus on social data to help you evaluate information within an organizational and societal context.

COURSEWORK WITH REAL-WORLD APPLICATIONS

Core courses in the program develop your skills in analysis and research to help organizations apply your findings for meaningful change. Such analyses can have a significant effect on how businesses, schools, government agencies, and other types or organizations approach strategy and policymaking.

Topics include:

- Research design
- Critical evaluation of data using theoretical models
- Ethical and privacy issues

Positions available to MS in Data Science graduates and their average salaries include:

| | |
|--|--|
| Data Scientist \$113,436¹ | Survey Researcher \$53,920 |
| Operations Research Analyst \$78,630 | Management Consultant \$81,320² |

The online program offers several specializations to focus your degree on your career goals:

- SOCIAL SCIENCE ANALYTICS
- BUSINESS ANALYTICS
- CYBERSECURITY
- FINANCIAL CRIME

You also have the option to build your own General specialization by selecting any four 3-credit graduate level courses with program director approval.

The **MS in Data Science** was developed in collaboration with the regional data analytics consortium, represented by many of the largest employers in central New York State.

FEATURES THAT MAKE THE DIFFERENCE

Discover key factors that make the online MS in Data Science a good fit for your needs:

- A 100 percent online format
- Competitively priced tuition
- No residency
- No GRE or GMAT required
- A faculty of expert practitioners

¹Source: GMAC 2014 Year-End Poll of Employers, Summary Report.

¹ Data Scientist salary from Glassdoor, https://www.glassdoor.com/Salaries/data-scientist-salary-SRCH_KO0,14.htm, accessed April 4, 2017.

² Operations Research Analyst, Survey Researcher, Market Research Analyst and Management Consultant salaries from Bureau of Labor Statistics Occupational Outlook Handbook, <http://www.bls.gov/ooh/>, accessed April 4, 2017.

ONLINE MASTER OF SCIENCE IN DATA SCIENCE

PROGRAM CURRICULUM

Consisting of 30 credit hours, the program requires 15 credit hours of core courses, 12 credit hours in a specialization and a 3-credit-hour capstone project or practicum.

Core Courses

| | | Credits |
|---------|------------------------------|---------|
| DSC 501 | Introduction to Data Science | 3 |
| DSC 503 | Statistical Methods | 3 |
| DSC 607 | Data Mining | 3 |
| DSC 609 | Machine Learning | 3 |
| DSC 611 | Data Visualization | 3 |

Culminating Experience (choose one)

| | | Credits |
|---------|----------|---------|
| DSC 680 | Capstone | 3 |
| DSC 690 | Thesis | 3 |

Business Analytics Specialization

| | | Credits |
|---------|-------------------------------|---------|
| ECN 610 | Managerial Economics | 3 |
| FIN 601 | Advanced Financial Management | 3 |
| MGT 610 | Core Topics in Management | 3 |
| BUS 621 | Financial Fluency I | 1.5 |
| BUS 622 | Financial Fluency II | 1.5 |

GENERAL SPECIALIZATION

Select any four 3-credit graduate level courses with program director approval.

UTICA COLLEGE: GET THE ADVANTAGE

Utica College offers the advantages of a large university with the intimacy and personal attention of a smaller, private college. With outstanding undergraduate and graduate degree options designed for real-world success, Utica College provides a strong foundation for personal and professional achievement.

Cybersecurity Specialization (choose four)

| | | Credits |
|---------|--------------------------------|---------|
| CYB 605 | Principles of Cybersecurity | 3 |
| OR | | |
| CYB 606 | Cyberspace and Cybersecurity | 3 |
| CYB 610 | Cyber Intelligence | 3 |
| CYB 615 | Cyber Counterintelligence | 3 |
| CYB 671 | Open Source Cyber Surveillance | 3 |
| CYB 674 | Cyber Data Fusion | 3 |

Financial Crime Specialization

| | | Credits |
|---------|---|---------|
| FCM 626 | Financial Investigations* | 3 |
| BUS 631 | Data-driven Decision-making I | 1.5 |
| FCM 642 | Advanced Fraud Analysis* | 3 |
| BUS 632 | Data-driven Decision-making II | 1.5 |
| FCM 601 | Proseminar in Financial Crime and Compliance Management | 3 |

*FCM 626 and 642 residency requirements waived for students who complete the MS in Data Science core courses before taking these courses.

Social Science Analytics Specialization

| | | Credits |
|---------|-----------------------------|---------|
| SOC 537 | Science and Social Power | 3 |
| SOC 563 | Complex Organizations | 3 |
| SOC 555 | Community and Social Change | 3 |
| SOC 565 | Demography | 3 |

ONLINE BS IN FRAUD AND FINANCIAL CRIME INVESTIGATION

Economic crimes such as embezzlement, securities fraud, and identity theft cost the United States many billions of dollars every year. The online Bachelor's degree in Fraud and Financial Crime Investigation from Utica College will prepare you for a career in the growing field of economic and financial crime investigation. We accomplish this by teaching skills and techniques for gathering, analyzing, and preserving evidence of economic and financial misdeeds.

Program Overview

The only online academic program of its kind in the nation, Utica College's online BS in Fraud and Financial Crime Investigation draws from a variety of disciplines to create a holistic approach to the study of economic crime. Coursework provides a comprehensive view of the criminal justice system and how it relates to economic crime across public and private sectors.

Concentrations

Students who have already earned an A.A. degree or equivalent are eligible to enroll in Utica College's Online FFCI Bachelor's program.

- **Financial Investigation:** Students learn forensic accounting skills to pinpoint and document potential financial misdeeds. Coursework in the concentration includes accounting concepts and procedures, data analysis, methods of detecting fraud and tracing illicit funds, the steps of due diligence, and damage assessment.
- **Fraud Prevention and Detection:** Students learn to identify potential deception as well as areas of potential vulnerability to fraud and economic crime. Topics include investigation and interviewing techniques, the use of technology in detecting and preventing crime, government and legal regulations, and how to recognize suspicious behavior patterns.

PROFESSIONAL OUTCOMES

Positions available to you with the Financial Investigation concentration may include:

- Asset Forfeiture financial specialist
- Internal fraud auditor
- Health care investigator
- Bank examiner and investigator
- Tax crime investigator
- Securities fraud analyst

If you choose the Fraud Prevention and Detection concentration, you may find opportunities as the following:

- Anti-money laundering analyst/investigator/compliance specialist
- Credit/debit card fraud investigator
- Fraud detection analyst
- Insurance claims investigator
- Internal fraud investigator/auditor
- Fraud prevention/risk analyst

Whatever your chosen path, your new financial investigation skills will make you a valuable asset to any organization.



FAQs

HOW QUICKLY CAN I COMPLETE THIS DEGREE?

How quickly you complete the program is based upon the number of credit hours taken per semester. Completion times can also vary depending on educational background. Typically, our program can be completed in 2 to 3.5 years. You will coordinate with your academic advisor to determine what best suits your schedule.

HOW MANY CREDITS DO I NEED TO COMPLETE THIS DEGREE?

A total of 126 credit hours are required to complete this degree.

ABOUT UTICA COLLEGE

Located in the heart of central New York, Utica College is a comprehensive, independent, private institution. Utica College offers regionally accredited online Bachelor's, Master's, and Doctoral degree programs in Health Care, Economic Crime Prevention, Fraud and Cybersecurity, as well as a complete selection of undergraduate and graduate ground programs.

Utica College is regionally accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools.

AFFILIATIONS

Utica College maintains relationships with several leading public and private sector organizations within the fraud and economic crime fields. These alliances provide Utica College with validation of the strength of our programs, and top notch expertise to provide regular input into industry and workplace trends that help guide our curriculum.

The college is an education partner with the Association of Certified Anti-Money Laundering Specialists (ACAMS), which extends benefits such as tuition discounts, student memberships and CAMS certification exam discounts.



ONLINE BS IN FRAUD AND FINANCIAL CRIME INVESTIGATION CURRICULUM

MAJOR COURSE REQUIREMENTS

| | | |
|---------|--------------------------------------|------|
| CRJ 101 | Introduction to CRJ Research Methods | 1 |
| CRJ 103 | Introduction to Criminal Justice | 3 |
| CRJ 232 | Economic Crime Theory | 3 |
| CRJ 334 | Economic Crime Investigation | 3 |
| CRJ 335 | Cybercrime Law and Investigations | 3 |
| CRJ 336 | Information Privacy | 3 |
| CRJ 343 | Law of Economic Crime | 3 |
| CRJ 461 | Senior Seminar | 3 |
| CRJ 470 | Internship (6-15 hours) | 3 |
| CRJ 470 | Internship or | |
| CRJ 475 | Special Project | 6-15 |

MAJOR RELATED REQUIREMENTS

| | | |
|-------------|---|---|
| ACC 201 | Financial Accounting | 3 |
| ECN 131 | Principles of Microeconomics | 3 |
| SOC 274 | Criminology | 3 |
| MAT 112 | Basic Statistics, or | 3 |
| PSY/SOC 211 | Statistics in the Behavioral Sciences, or | 3 |
| ECN 241 | Statistics | 3 |
| SOC 376 | Criminological Research Methods | 3 |
| GOV 341 | Jurisprudence of the Criminal Law | 3 |

FINANCIAL INVESTIGATION CONCENTRATION COURSES

| | | |
|---------|--|---|
| ACC 202 | Managerial Accounting | 3 |
| ACC 301 | Intermediate Accounting I | 3 |
| ACC 302 | Intermediate Accounting II | 3 |
| ACC 303 | Cost Management, or | 3 |
| ACC 401 | Auditing | 3 |
| ACC 406 | Forensic Accounting and Fraud Auditing | 3 |
| FIN 333 | Corporate Finance | 3 |

FRAUD PREVENTION AND DETECTION CONCENTRATION COURSES

| | | |
|------------------------------|--|---|
| CRJ 347 | Fraud Prevention and Detection Technologies | 3 |
| CRJ 353 | Fraud Prevention Techniques | 3 |
| CRJ 354 | Payment Systems and Fraud | 3 |
| CRJ 365 | Advanced Issues in Economic Crime | 3 |
| CRJ 444 | Fraud and Compliance Operations | 3 |
| Select one of the following: | | |
| CRJ 313 | Corruption and Organized Crime, or | 3 |
| CRJ 314 | Modern Techniques in Crime Investigation, or | 3 |
| ECN 343 | Money and Banking, or | 3 |
| RMI 273 | Introduction to Risk Management, or | 3 |
| PHI 108 | Professional Ethics | 3 |

ONLINE EXECUTIVE MS IN FINANCIAL CRIME AND COMPLIANCE MANAGEMENT

Utica College's online Executive MS in Financial Crime and Compliance Management provides professional education to individuals who desire to advance their expertise in managing corporate and advanced technological resources to combat financial crime. The program combines the areas of management, technology, and analytical skills with a knowledge and understanding of economic crime from a global perspective.

Program Overview

The online Executive Master's Degree in Financial Crime and Compliance Management was designed in cooperation with industry experts from federal agencies and top companies on the College's Economic Crime and Cybersecurity Institute Board of Advisors.

The cutting-edge curriculum focuses on fraud and risk management strategies, current economic crime challenges, and applying innovative technological and analytical solutions to security problems. The courses cover organizational theory and management, research methods, economic crime, legal issues, Internet and computer security, and fraud analysis. Students are required to complete a professional project or thesis as a capstone to their academic experience.

Industry Affiliations

Utica College, is the first college in the nation to become an education partner with the preeminent association for financial crime specialists - the Association of Certified Anti-Money Laundering Specialists (ACAMS). The partnership provides some very important benefits to both ACAMS members and Utica students, including tuition discounts and preparation for the CAMS certification exam.

PROFESSIONAL OUTCOMES

Fraud and compliance practitioners represent a variety of careers and professional backgrounds in both the public and private sectors. Our innovative FCM program will enhance your potential to qualify for leadership positions in fraud analysis, fraud investigation, fraud examination, and compliance in many industries and law enforcement organizations.

Sample Job Titles from our FCM Alumni:

- Senior Fraud Analyst
- Manager, Risk & Compliance
- Director, Enterprise Risk Management
- Vice President, Fraud Prevention & Detection
- Investigations Group Manager
- Anti Money Laundering Officer
- Supervisory Special Agent

In choosing to earn a Master's in Financial Crime and Compliance Management, you will be joining a respected group of advanced professionals who are highly sought after for their particular skill set.



FAQs

WHAT CAN I EXPECT DURING THE RESIDENCY?

The program is entirely online except for one four day residency at the Utica College campus. The residency is a valuable opportunity to complete digital forensic work using state-of-the-art technology, develop your capstone project, tour the economic crime lab on campus, and network with other professionals in the program.

DO YOU OFFER CAREER PLACEMENT?

The faculty, including your academic advisor, are experts in the industry and will be able to assist you as you explore the job market. Your fellow students located throughout the country and working in a variety of industry related professions also serve as a great resource.

WHAT IS THE ONLINE ENVIRONMENT LIKE?

Utica College delivers online courses through an online course management system that allows students and faculty to communicate and share vital course information. You can securely access your courses anytime, anywhere by logging in with your username and password. All online courses are supported by 24 x 7 technical assistance.



ONLINE EXECUTIVE MS IN FINANCIAL CRIME AND COMPLIANCE MANAGEMENT CURRICULUM

The following courses comprise the online Executive MS in Financial Crime and Compliance Management and serve to provide enhanced skills in the areas of management, technology, and analytics in a fraud setting.

MANAGEMENT COURSES

| | | |
|---------|--|---|
| FCM 601 | Proseminar in Economic Crime Management | 3 |
| FCM 611 | Organizational Theory, Structure, and Design | 3 |
| FCM 612 | The Manager in a Global Environment | 3 |

ECONOMIC CRIME COURSES

| | | |
|---------|---------------------------------------|---|
| FCM 622 | Legal Concepts of Criminal Fraud | 3 |
| FCM 626 | Financial Investigations | 3 |
| FCM 627 | Fraud Management: Risk and Compliance | 3 |

TECHNOLOGY COURSES

| | | |
|---------|--|---|
| FCM 631 | Fraud Management and Technology | 3 |
| FCM 632 | Information and Communication Security | 3 |
| FCM 633 | Networks and Internet Security | 3 |

ANALYTICAL SKILLS

| | | |
|---------|-------------------------|---|
| FCM 642 | Advanced Fraud Analysis | 3 |
|---------|-------------------------|---|

CUMULATIVE EXPERIENCE

| | | |
|-----------|-------------------------|---|
| FCM 651 | Professional Project I | 3 |
| FCM 652 | Professional Project II | 3 |
| OR | | |
| FCM 653 | Thesis I | 3 |
| FCM 654 | Thesis II | 3 |

ABOUT UTICA COLLEGE

Located in the heart of central New York, Utica College is a comprehensive, independent, private institution. Utica College offers regionally accredited online Certificate, Bachelor's, Master's, and Doctoral degree programs in Health Care, Economic Crime Prevention, Fraud and Cybersecurity, as well as a complete selection of undergraduate and graduate ground programs.

Utica College is regionally accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools. Utica College offers a broad range of opportunities to grow personally and intellectually, helping you to build a strong foundation for success in your professional life.



ONLINE FINANCIAL CRIMES INVESTIGATOR CERTIFICATE

Financial crimes are an unpleasant fact in the modern workplace. Such crimes can cover a wide range of monetary losses depending on the criminal gains sought by offenders. Left unchecked, even relatively small crimes add up to big losses. The Financial Crimes Investigator online certificate is an indispensable credential in the fight to detect, prevent and investigate financial crimes for both the public or private sector investigator.

Program Overview

When the world's leading corporations and government agencies need highly trained professionals to protect their assets, they look for fraud investigators with credentials from Utica College, a recognized leader in Financial Crime prevention. Developed by Utica College's Economic Crime faculty, the Financial Crimes Investigator Certificate is one in a suite of nationally recognized Economic Crime programs.

The online Certificate blends the investigation of different types of internal and external fraud scenarios in addition to understanding the tools and intelligence needed to identify the increasingly complex structures of financial fraud and money laundering. The curriculum covers a wide range of subjects, including:

- Forensic Accounting
- Fraud Auditing
- Criminal Justice
- Information Security
- Economic Crime
- Fraud Prevention and Detection

PROFESSIONAL OUTCOMES

You will receive college credit for the six-course certificate which can be transferred into the online Bachelor of Science in Economic Crime Investigation. You will be prepared to enter the workforce in an entry-level position in any of the following fields:

- Forensic Accounting
- Tax crime investigation
- Insurance Fraud
- Corporate Financial Fraud
- Identity Theft Investigation
- Credit Card Fraud



FAQs

HOW LONG WILL IT TAKE TO COMPLETE THE PROGRAM?

The length of your program will vary based on your prior education background, and the number of courses you are able to take each term.

DO YOU OFFER CAREER PLACEMENT?

The faculty, including your academic advisor, are experts in the industry and will be able to assist you as you explore the job market.

HOW MUCH TIME WILL I NEED TO DEDICATE TO SCHOOL EACH WEEK?

On average, you should expect to dedicate at least 10-15 hours per week. The rigor and expectations for campus and online instruction are the same.

WHAT IS THE ONLINE ENVIRONMENT LIKE?

Utica College delivers online courses through Angel – an online course management system. Angel allows students and faculty to communicate and share vital course information.

ABOUT UTICA COLLEGE

Located in the heart of central New York, Utica College is a comprehensive, independent, private institution. Utica College offers regionally accredited online Certificate, Bachelor's, Master's, and Doctoral degree programs in Health Care, Economic Crime Prevention, Fraud and Cybersecurity, as well as a complete selection of undergraduate and graduate ground programs.

Utica College is regionally accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools. Utica College offers a broad range of opportunities to grow personally and intellectually, helping you to build a strong foundation for success in your professional life. The convenient online format gives you flexibility to complete coursework while continuing to pursue your professional goals.



ONLINE FINANCIAL CRIMES INVESTIGATOR CERTIFICATE CURRICULUM

The following courses comprise the certificate program and serve to provide enhanced skills in understanding and investigating economic and computer crimes.

MAJOR COURSE REQUIREMENTS

| | | |
|---------|---|---|
| CRJ 334 | Economic Crime Investigation | 3 |
| CRJ 343 | Law of Economic Crime | 3 |
| CRJ 347 | Fraud Detection and Prevention Technologies | 3 |
| CRJ 354 | Payment Systems and Fraud | 3 |
| CRJ 365 | Advanced Issues in Economic Crime | 3 |
| ACC 406 | Forensic Accounting and Fraud Auditing | 3 |

THE ECONOMIC CRIME INSTITUTE AND UTICA COLLEGE

Since 1988, the Economic Crime Institute (ECI), a unique organization of professionals and academics, has helped prepare Utica College students to prevent, detect, investigate, and prosecute fraud, economic and cyber crimes. The Institute's Board of Advisors are experts in insurance fraud, credit card fraud, computer security, financial investigations, internal security, and corporate security. The Institute provides and supports leading-edge thinking through educational programs, policy guidance, research, and solutions for issues faced by business and government.

AFFILIATIONS

Utica College maintains relationships with several leading public and private sector organizations within the fraud and economic crime fields. These alliances provide Utica College with validation of the strength of our programs, and top notch expertise to provide regular input into industry and workplace trends that help guide our curriculum.

The college is an education partner with the Association of Certified Anti-Money Laundering Specialists (ACAMS), which extends benefits such as tuition discounts, student memberships and CAMS certification exam discounts.





ONLINE BACHELOR OF SCIENCE IN HEALTH SCIENCES

The 100% online Bachelor of Science in Health Sciences degree provides you with the knowledge necessary to pursue a variety of health professions or graduate study.

Gain the Skills You Need to Make a Difference

With a flexible B.S.H.S. degree, you can tailor your education to meet your goals. Our experienced faculty will help you gain the knowledge you need to succeed in the health care field. You'll graduate with the skills to:

- Demonstrate knowledge and preparedness for diverse roles in the health care field
- Communicate ethically and responsibly with health care professionals and others
- Apply concepts of health and wellness to individuals
- Interpret quantitative and qualitative results to inform evidence-based practice

- **100% Online, Flexible Curriculum**
- **Highly Experienced Faculty**
- **24/7 Support and Guidance**
- **Small Class Sizes**

The Versatility to Choose Your Career Path

The health sciences degree will prepare you for multiple careers such as:

- Medical & Health Services Manager
- Pharmaceutical Sales Rep
- Health Care Financial Manager
- Health Program Administrator
- Patient Safety and Quality Improvement Coordinator

Careful selection of your electives and minor will also provide the perfect path to graduate study in business, health care administration, physical therapy, occupational therapy, social work, and more.

ONLINE BACHELOR OF SCIENCE IN HEALTH SCIENCES

PROGRAM CURRICULUM

The online B.S. in Health Sciences degree requires 120 credit hours to complete.

Academic requirements include:

Core Courses | 33 Credit Hours

| | |
|---------|--|
| CMM 103 | Introduction to Public Speaking |
| CSC 117 | Microcomputers and Application Software |
| ENG 101 | Written Communication I |
| ENG 102 | Written Communication II |
| ENG 135 | Literature |
| GOV 101 | Introduction to Politics and American Government |

| | |
|---------|---------------------------|
| MAT 124 | Excursions in Mathematics |
| MUS 115 | Introduction to Music |
| SPA 101 | Beginning Spanish I |
| SPA 102 | Beginning Spanish II |
| HIS 165 | Europe and the World |

Major Requirements | 63 Credit Hours

| | |
|---------|---|
| PHI 107 | Ethics |
| BIO 101 | Anatomy & Physiology I |
| BIO 102 | Anatomy & Physiology II |
| BIO 105 | Fundamentals in Biology |
| MAT 112 | Statistics |
| SOC 151 | Introduction to Sociology |
| UCC 101 | First Year Seminar |
| BIO 214 | Biology of Aging |
| HLS 103 | Introduction to Health and Health Related Professions |
| IPE 102 | Introduction to Interprofessional Education |
| MGT 103 | Introduction to the Business of Health Care |

| | |
|---------|--|
| PSY 101 | Introduction to Psychology |
| CHE 211 | General Chemistry I |
| PSY 237 | Group Dynamics - Introduction to Group Development and Group Processes |
| HLS 245 | Human Development Across the Lifespan |
| HLS 301 | Introduction to Health Care Advocacy and Navigation |
| HLS 309 | Medical Conditions and Implications |
| HLS 313 | Physical Health and Wellness |
| HLS 401 | Senior Seminar |
| HLS 445 | Clinical Wellness |
| ANT 415 | Cultures, Health, and Healing |

Major Electives | 9 Credit Hours

Complete sufficient courses to earn at least the minimum credit hours required for the degree and at least 60 credit hours in the liberal arts and sciences. Electives allow students to tailor their degree to fit their interests and goals.

Transfer Credits

Students may transfer in up to 60 credits with program director approval.

Minor Requirements | 15 Credit Hours

Choose any minor available at UC. Common minors for the B.S.H.S. degree include:

- Healthcare Advocacy and Navigation (default minor if no other minor picked)
- Entrepreneurship
- Management
- Risk Management and Insurance
- Fraud and Financial Crime Investigation
- Aging Studies

TOTAL | 120 Credit Hours



ONLINE BACHELOR OF SCIENCE IN HEALTH CARE MANAGEMENT

Learn how to use business expertise to deliver quality health care services while meeting organizational goals in Utica's 100% online B.S. in Health Care Management program.

Focus on the Business of Health Care

Coursework prepares you for management roles across a health care organization. The work you do will directly affect how patients are cared for, while you drive organizational goals. By graduation, you can:

- Identify and interpret the knowledge base and skills needed for a career in health care management.
- Analyze issues of leadership in health care organizations.
- Describe the social and economic structure of health care in the United States.

- **100% Online, Flexible Curriculum**
- **Experienced Faculty**
- **24/7 Support and Guidance**
- **Small Class Sizes**

Health Care Management Careers

Medical health and service managers earned a median annual salary of \$100,980 in May 2019 and expect a 32% job growth rate from 2019 to 2029*.

Utica graduates serve in leadership positions with:

- MEDITECH Inc.
- Mohawk Valley Health System
- NYU Langone Health

ONLINE BACHELOR OF SCIENCE IN HEALTH CARE MANAGEMENT

PROGRAM CURRICULUM

The online B.S. in Health Care Management degree requires 120 credit hours to complete. Students may transfer in up to 60 credits from a two-year institution and up to 90 credits from a four-year accredited university.

Core Courses | 34-55 Credit Hours

Business Requirements | 39 Credit Hours

| | | | |
|---------|--|---------|---|
| ACC 201 | Financial Accounting | MGT 103 | Introduction to the Business of Health Care |
| ACC 202 | Managerial Accounting | MGT 201 | Principles of Organization and Management |
| ECN 131 | Principles of Microeconomics | MKT 211 | Principles of Marketing |
| ECN 141 | Principles of Macroeconomics | MGT 325 | Management of Technology |
| ECN 241 | Statistics | MGT 428 | Strategic Management and Leadership |
| FIN 333 | Corporate Finance | RMI 273 | Introduction to Risk Management and Insurance |
| MAT 143 | Mathematical Analysis for Business & Economics I | | |

Major Requirements | 27 Credit Hours

| | | | |
|---------------|---|---------------|--|
| ANT 101 or | Introduction to Anthropology | MGT 371 | Human Resource Management |
| SOC 151 | Introduction to Sociology | MGT 470 | Management Internship or Elective |
| ANT 415 | Cultures, Health, & Healing | PHI 107 or | Ethics |
| ECN 375 | Health Economics | PHI 108 | Professional Ethics |
| HLS 103 | Introduction to Health and Health-Related Professions | SOC 307 | Bureaucracy and Culture: U.S. Health Care System |
| UCC 101 | First Year Seminar | | |

Major Electives | 6-28 Credit Hours

You must complete sufficient elective courses to earn at least the minimum credit hours required for this degree, and at least 60 credit hours of the 120 required must be in the liberal arts and sciences. You're encouraged to select electives that will complement your major course of study, for example, courses in Anthropology, Communications, Political Science, History, International Studies, Law, and Sociology.

TOTAL | 120 Credit Hours



ONLINE MASTER'S DEGREES AND CERTIFICATES IN NURSING

ADVANCE YOUR NURSING CAREER

The online master's in nursing degrees and advanced post-master's certificate programs at Utica College deliver the innovative nursing and critical thinking skills you need to excel as a Family Nurse Practitioner, a Nurse Educator, or a Nurse Leader.

Our graduate and post-graduate nursing programs are designed for busy, working nurses — all coursework is taken online, except for supervised practicum work.

Each graduate nursing program provides research-backed curricula, expert faculty, and practicums to expand your nursing skills and leadership abilities. The post-graduate Certificates allow master's prepared nurses to enhance the scope of their nursing practices.

1. FAMILY NURSE PRACTITIONER (FNP)

Family Nurse Practitioners are advanced practice nurses who provide patient care throughout the lifespan. They are trained to assess patient needs, order laboratory and diagnostic tests, diagnose illness and disease, prescribe medications, and promote healthy lifestyles. The Family Nurse Practitioner program will prepare you to be an essential member of the interdisciplinary health care team providing safe, cost-effective, evidence-based care to patients and communities. The Master's program requires 48 credit hours to complete.

Practicum: A 3-day immersion experience and 720 practicum hours, which can be applied toward the 1,000 hours required for a DNP degree.

Certificate of Advanced Study in Family Nurse Practitioner: For nurses who already have an MSN or M.S. in Nursing but want to bolster their skill set or change career paths, the online post-Master's Certificate in FNP prepares nurses through a focused and core curriculum.

Certification: Both the Master's degree and Post-Master's Certificate support your preparation for national certification through American Nurses Credentialing Center (ANCC) or American Academy of Nurse Practitioners National Certification Board (AANP).

2. NURSING LEADERSHIP

Nurse leaders understand the impact of business decisions upon patient care, health outcomes, the interprofessional team and organizations.

As nursing roles become more complex, the demand for nurse leaders with business & management experience has grown rapidly. The nursing leadership program will prepare you as an advanced practice nurse by expanding your business knowledge, maximizing your nursing skills and ensuring quality patient care to promote effective health care management. The Master's program requires 35 credit hours to complete.

Practicum: 180 hours of practicum experience working with a qualified nurse leader.

Certificate of Advanced Study in Nursing Leadership: Consisting of core leadership courses, the online post-Master's Certificate in Nursing Leadership will prepare you to lead nursing teams across an array of health care settings.

3. NURSING EDUCATION

Nurse Educators work in multiple settings such as hospitals, clinics, academia, nursing homes, and more. By combining clinical expertise and passion for teaching, nurse educators are vital in preparing future nurses to become members of the interdisciplinary health care team to deliver evidence-based care. The nursing education program will prepare you to enter the workforce with the ability to assess the learning needs, design, implement, and evaluate curriculum for students. The Master's program requires 42 credit hours to complete.

Practicum: 180 hours of practicum experience working with qualified nurse educators.

Certificate of Advanced Study in Nursing Education: Consisting of core nursing education courses, the online post-Master's Certificate in Nursing Education will give you the knowledge and confidence to lead your own classroom.

ACCREDITATION

The master's degree program in nursing and the post-graduate APRN certificate program at Utica College is pursuing initial accreditation by the [Commission on Collegiate Nursing Education](#). Applying for accreditation does not guarantee that accreditation will be granted.

ONLINE MASTER'S DEGREES AND CERTIFICATES IN NURSING

TOTAL CREDITS FOR THE MASTER'S DEGREE:

- MS in Family Nurse Practitioner (FNP): 48 credits
- MS in Nursing Education: 42 credits
- MS in Nursing Leadership: 35 credits

Core Courses for All Master's Degrees (17 Credit Hours)

| Code | Course Name | Credits |
|---------|---|---------|
| NUR 588 | Organizational Leadership & Role Development 3 of the Advanced Practice Nurse | 3 |
| NUR 603 | Quality Improvement & Safety in Health Care | 3 |
| NUR 608 | Epidemiology & Population Health | 3 |
| NUR 613 | Health Policy & Advocacy | 2 |
| NUR 609 | Nursing Research & Evidenced Based Practice | 3 |
| NUR 614 | Statistical Analysis & Scholarly Inquiry | 3 |

Family Nurse Practitioner Courses

(31 Credit Hours, all required for the Certificate of Advanced Studies in Family Nurse Practitioner)

| Code | Course Name | Credits |
|---------|--|---------|
| NUR 604 | Advanced Pathophysiology | 3 |
| NUR 615 | Advanced Pharmacology I | 3 |
| NUR 611 | Advanced Health Assessment & Diagnostic Reasoning I | 3 |
| NUR 995 | FNP Skills Residency - Immersion weekend | 0 |
| NUR 616 | Advanced Pharmacology II | 2 |
| NUR 612 | Advanced Health Assessment & Diagnostic Reasoning II | 2 |
| NUR 621 | Health Promotion & Primary Care I | 5 |
| NUR 622 | Health Promotion & Primary Care II | 5 |
| NUR 625 | Health Promotion & Primary Care III | 6 |
| NUR 634 | NP Culminating Seminar | 2 |

Prior to commencing the practicum, students in the FNP program will be required to attend a three-day (Friday-Sunday) in-person immersion experience on the Utica College campus.

TRANSFER CREDITS

Master's Program: Up to 9 transfer credits may be awarded for courses taken at a regionally accredited college that are equivalent to those taught at Utica College and for which you received a grade of "C" or better. After 6 transfer credits, the additional 3 credit hours need to be approved by the Dean for Graduate Studies.

Post-Master's Certificate: You may transfer in up to 9 credits for previously completed coursework equivalent to NUR 604 Advanced Pathophysiology, NUR 615 Advanced Pharmacology I, and NUR 611 Advanced Health Assessment & Diagnostic Reasoning I.

Note that we require official transcripts from all colleges you've attended, as well as a transcript showing the degree awarded.

Nursing Education Courses

(25 Credit Hours, all required for the Certificate of Advanced Studies in Nursing Education)

| Code | Course Name | Credits |
|---------|--|---------|
| NUR 604 | Advanced Pathophysiology | 3 |
| NUR 615 | Advanced Pharmacology I | 3 |
| NUR 611 | Advanced Health Assessment & Diagnostic Reasoning I | 3 |
| NUR 607 | Curriculum Development & Implementation | 3 |
| NUR 617 | Advanced Instructional Design & Teaching with Technology | 4 |
| NUR 618 | Test Construction & Analysis | 3 |
| NUR 623 | Assessment & Evaluation in Nursing Education | 3 |
| NUR 624 | Teaching Learning Practicum | 3 |

Nursing Leadership Courses

(18 Credit Hours, all required for the Certificate of Advanced Studies in Nursing Leadership)

| Code | Course Name | Credits |
|---------|--|---------|
| NUR 633 | Health Care Finance & Budgeting | 3 |
| NUR 627 | Organizational Theory & Human Relations Management | 3 |
| NUR 628 | Innovative Leadership in Health Care | 3 |
| NUR 631 | Nursing Leadership Theory & Practice I | 3 |
| NUR 632 | Nursing Leadership Theory & Practice II | 3 |
| NUR 637 | Mediation, Conflict Resolution & Negotiation | 3 |

UTICA COLLEGE: GET THE ADVANTAGE

Utica College offers the advantages of a large university with the intimacy and personal attention of a smaller, private college. With outstanding undergraduate and graduate degree options designed for real-world success, Utica College provides a strong foundation for personal and professional achievement.

111920

Gain advanced nursing skills with an online Nursing Master's degree or Certificate from Utica College.

(315) 732-2640 | (866) 295-3106 Toll Free | programs.online.utica.edu



Online RN to BS in Nursing Program

Advance Your Nursing Career

Specifically structured for licensed registered nurses, Utica College's online **RN to BS in Nursing (RN-BSN) program** addresses today's complex and contemporary health care challenges head on. The curriculum is rigorous, patient-centered and provides you with core health care competencies, such as critical thinking skills and leadership, to prepare you for professional advancement within the industry. Faculty are leaders in the field and classes cover a wide range of topics such as:

- **Nursing Management**
- **Leadership and Informatics**
- **Clinical Pharmacology**
- **Community Health Nursing**
- **Health Assessment**

The program is approved by the New York State Education Department and is also accredited by the Commission on Collegiate Nursing Education (CCNE).

"Nursing practice requires greater skill with technology, more strategic collaboration with health care professionals and a greater attention to the growing number of elderly and diverse populations. This is happening — now."

Annette Becker

Director of the RN-BSN program

More than one-third of students are alumni referred!



Recognized and Recommended

Our graduates know a quality program when they see one. That's why more than one-third of our current RN-BSN students come from alumni referrals. Join Utica's nursing legacy and experience firsthand the impact that a quality, patient-centered program can have on your career, and your patients.

RN-BSN Career Outlook*

FACT: Registered nurses with at least a bachelor's degree in nursing (BSN) will have better job prospects than those without one.

JOB GROWTH: Anticipated growth from 2012 to 2022 is 19 percent, faster than the average for all occupations.

MEDIAN SALARY: \$65,470 annually

TOTAL JOBS IN 2012: 2,711,500

*Bureau of Labor Statistics



FAQs

WILL I HAVE CLINICAL ROTATIONS?

No. However, the program does include clinical practicums in two courses. Students design these experiences in their own communities or places of employment according to their schedule.

HOW LONG IS THE PROGRAM?

The program can typically be completed in 2 – 3 years. However, it may be completed sooner based on transfer credits or student class load.

IS THE PROGRAM 100% ONLINE?

Yes. All coursework and tests can be completed fully online. There are also no residencies or on-site clinical rotations.

DO YOU REQUIRE WORK EXPERIENCE?

No. As long as the student meets the academic requirements for admission.

DO YOU ACCEPT TRANSFER CREDITS?

Yes. We will accept up to 60 credits with an associate degree and up to 90 credits with a bachelor degree if past coursework meets Utica's criteria.

WHAT ARE THE REQUIREMENTS FOR ADMISSION?

Requirements include an associate degree in nursing, current registered state licensure (from any state) and official copies of all transcripts.

RN to BSN in Nursing Course Map

| REQUIRED NURSING COURSES (25 CREDITS) | | |
|--|--|------------|
| NUR 311 | Socialization to Professional Nursing | 3 |
| NUR 325 | Health Assessment | 3 |
| NUR 312 | Leadership and Informatics in Professional Nursing | 3 |
| NUR 332 | Pathophysiology | 3 |
| NUR 333 | Pharmacology | 3 |
| NUR 346 | Care of Populations and Communities | 3 |
| NUR 411 | Health Policy Management in Professional Nursing | 2 |
| NUR 413 | Trends in Professional Nursing | 3 |
| NUR 465 | End of Life and Palliative Care Practice | 2 |
| REQUIRED MAJOR-RELATED COURSES (33 CREDITS) | | |
| BIO 101, 102 | Human Anatomy and Physiology I & II * | 8 |
| BIO 203 | Microbiology and Lab * | 4 |
| PSY 101 | Introduction to Psychology * | 3 |
| ANT 415 | Cultures, Health and Healing | 3 |
| BIO 113 | Human Genetics | 3 |
| SOC 151 | Human Society | 3 |
| PHI 108 | Professional Ethics | 3 |
| HLS 445 | Clinical Research | 3 |
| MAT 112 | Basic Statistics | 3 |
| Nursing & Major Related Program Credits | | 58 |
| Other Program Credits | | 63 |
| Total Program Credits | | 121 |

Utica College of Nursing is CCNE Accredited

Utica College offers RNs the opportunity to earn their bachelor's degree in a quality online format. In this CCNE accredited program, students learn skills in leadership, patient care, communication, critical thinking and decision-making. Class sizes are small and intimate in their virtual environment to encourage both personal and professional growth.

Several states are considering legislation that would require nurses who hold associate's degrees to enroll and complete a bachelor's degree within 10 years of being licensed. New York is one of these states.

Catherine Brownell, chair of Utica College's nursing program, calls CCNE accreditation the gold standard in baccalaureate and advanced education in nursing, and an important step in building the nursing program to its full potential.

"We are able to integrate new research into our nursing curriculum, so that our graduates can stay on the cutting edge of changes in medicine and health care delivery," Brownell said. "This clearly gives them an advantage when they begin working in the field."

Nursing Success Starts at Utica

Take the next step toward bettering your career and offering your patients the greatest level of care possible. Learn about Utica College's online RN-BSN degree program by calling **866-295-3106** or visit us online at programs.online.utica.edu.



MASTER OF HEALTH CARE ADMINISTRATION AND NURSING HOME ADMINISTRATOR CERTIFICATE

As an administrator in the health care field, you must be ready to handle the demands of a complex system.

The innovative curriculum in the online Master of Healthcare Administration (MHA) program at Utica College is focused on accelerating your learning through the applied study of actual cases, relevant projects, lively discussion, and interactive learning forums. You will study the use of new technologies to manage and improve operations, implement effective staffing management and practices, and address a range of issues related to health care leadership.

Utica also offers an online Nursing Home Administrator Certificate, in which you'll learn management and long-term health care topics and fulfill the academic requirements for an NHA license*. Certificate credits transfer seamlessly to the Master of Healthcare Administration, so you can earn your degree faster and pursue work in nursing homes, skilled nursing facilities, or long-term care facilities once obtaining licensure.

You'll benefit from:

- Small class sizes that enhance student-teacher interaction
- 24/7 technical assistance
- Personal advisors who are always ready to help

**The online NHA certificate fulfills academic requirements for licensing as a Nursing Home Administrator in New York. Applicants should consult with their state's licensing agency or contact an admissions representative at (315) 732-2640 or toll-free at (866) 295-3106 to verify the necessary coursework. Faculty advisers are also available to work with students to offer guidance and help meet the academic requirements.*

PROFESSIONAL OUTCOMES

Employment of medical and health services managers is expected to grow by 32 percent from 2019 to 2029, much faster than the average for all occupations.

As the baby-boom population ages and people remain active later in life, the U.S. health care industry will see an increase in the demand for medical services. Health care professionals will be needed to organize and manage medical information and health care staff in all areas of the industry.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Medical and Health Services Managers, on the Internet at <https://www.bls.gov/ooh/management/medical-and-health-services-managers.htm#tab-6> (visited Sept. 9, 2020).



Erik D'Alessandro, 2011 graduate



FAQs

IS A GRADUATE ENTRANCE EXAM REQUIRED?

Typically, a graduate entrance exam is not required, but this will depend on your education credentials.

DO I NEED HEALTH CARE EXPERIENCE TO BE ELIGIBLE?

We consider a wide variety of candidates and backgrounds.

The curriculum successfully prepares students from different backgrounds and career paths to graduate and achieve their professional goals.

HOW LONG WILL IT TAKE TO COMPLETE THE PROGRAM?

Including the required capstone project, you can complete the 36-credit MHA degree in just two years. The 15-credit Nursing Home Administrator Certificate can be completed in just three semesters.

ONLINE MHA COURSE MAP

ADMINISTRATION FOUNDATIONS (18 CREDITS)

| | |
|---------|--|
| ACC 506 | Introduction to Accounting |
| FIN 585 | Health Care Financial Management |
| HCA 527 | Health Care Ethical and Legal Issues |
| HCA 531 | Leadership in Marketing and Strategic Planning |
| HCA 607 | Data Analysis for Health Care Leaders |
| HCA 615 | Human Resources Management |

HEALTH CARE SYSTEMS (9 CREDITS)

| | |
|---------|--|
| HCA 521 | Health Care Systems: A Continuum of Care |
| HCA 612 | Advanced Seminar |
| HCA 627 | Health Informatics |

ELECTIVES (CHOOSE TWO ELECTIVES: 6 CREDITS)

| | |
|---------|---|
| AGE 503 | Perspectives in Gerontology |
| AGE 613 | Grant Writing, Program Planning, and Evaluation |
| HCA 516 | Community Health Management |
| HCA 525 | Organization Leadership |
| HCA 613 | Health Care Administrator Leader |
| HCA 614 | Quality and Performance Improvement in Evidence-Based Health Care |
| HCA 616 | Organization Development and Change |
| HCA 621 | Nursing Home Administration |

CAPSTONE (3 CREDITS)

| | |
|---------|------------------|
| HCA 675 | Capstone Project |
|---------|------------------|

NHA CERTIFICATE

| | |
|---------|----------------------------------|
| AGE 503 | Perspectives in Gerontology |
| FIN 585 | Health Care Financial Management |
| HCA 527 | Ethical and Legal Issues |
| HCA 615 | Human Resources Management |
| HCA 621 | Nursing Home Administration |

In some courses, you will have the opportunity to participate in synchronous “in-person” sessions, which will allow you to virtually meet your peers and provide a more textured three-dimensional experience.





ONLINE TRANSITIONAL DOCTOR OF PHYSICAL THERAPY

Today's practitioner seeking a transitional Doctor of Physical Therapy (tDPT) must be prepared to act not only in a vital Health Care role but as a consultant, educator, administrator, and clinical scholar.

Combining all of these roles requires advanced skills in critical thinking in addition to the traditional entry-level preparation of the past. Licensed physical therapists now have the opportunity to earn a transitional Doctor of Physical Therapy degree at Utica College through our innovative online program. Courses are taught by qualified and experienced clinicians and are taken online in addition to one campus residency.

Program Overview

Utica's online transitional Doctor of Physical Therapy program is designed for licensed physical therapy professionals with BS/MS degree credentials. Students generally take one class every eight weeks, completing all eight courses in sixteen months.

Utica's online tDPT program prepares you to thrive as an autonomous practitioner in an evolving society and health care environment. Our curriculum is designed to build on the skills, knowledge, and experience of practicing clinicians and affords graduates the title of Doctor of Physical Therapy.

The curriculum covers a wide range of topics, including:

- Foundations of Autonomous Practice
- Prevention and Wellness
- Diagnostic Imaging
- Pharmacology and Pathophysiology
- Global Health Care Issues

PROFESSIONAL OUTCOMES

Employment of physical therapists is expected to increase 28 percent from 2016 to 2026, much faster than the average for all occupations. Demand for physical therapy services will come, in large part, from the aging baby boomers, who are staying active later in life than previous generations did.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Physical Therapists, on the Internet at <http://www.bls.gov/ooh/healthcare/physical-therapists.htm> (visited January 03, 2019).





FAQs

DO I HAVE TO HAVE A MASTER'S DEGREE TO BE ADMITTED TO THE PROGRAM?

No. The program is designed for all licensed physical therapists. You may enter the program with a bachelor's or master's degree in physical therapy. Each application will be reviewed individually to determine the coursework that will be required to complete the degree.

WHAT ARE THE REQUIREMENTS FOR ADMISSION?

Typically, the admission requirements include a resume/ curriculum vitae, proof of licensure, official transcripts, two written recommendations and a personal statement. Foreign trained students will also require a credential evaluation. A TOEFL score may be required.

HOW LONG WILL IT TAKE ME TO COMPLETE THE PROGRAM?

Completion of the program varies. Most students continue to work full time while pursuing their degree and are encouraged to take one course at a time. The time to complete the program will be determined by how many courses you need to take and how many you take per semester..

ARE THERE ON-CAMPUS RESIDENCIES?

There is one on-site residency at the beginning of the program. The weekend residency is designed to meet a number of needs including networking with your faculty and peers, keynote presentations on relevant industry topics, and familiarization with course content delivery.

ONLINE TRANSITIONAL DOCTOR OF PHYSICAL THERAPY

At Utica College, you will be taught and mentored by qualified, experienced clinicians with real world experience. The online tDPT program is competitively priced and the small, online classes allow students and faculty to work closely together in a virtual atmosphere designed to promote personal and professional development.

CORE COURSES (18 CREDITS)

| | | |
|---------|---|-----|
| PHT 701 | Foundation of Autonomous Practice Historical perspective of the role of the physical therapist as related to patient/client management. Introduction/review of the Guide to Physical Therapist Practice. Explore concepts related to physical therapy diagnosis, screening for underlying pathology, and application of a Disablement Model to clinical cases. Introduce outcomes measurement. Examine evidence-based practice and strategies for acquiring best evidence. This course launches the program with an on-campus residency, designed to provide personal advising to outline a plan of study, enhance the subsequent online experience through peer networking and collaboration, and provide attendees with an advanced competency course in differential diagnosis facilitated by a nationally recognized speaker in our field, Dr. Steven Tepper. | 3 |
| PHT 712 | Prevention and Wellness Evaluate the role of the physical therapist in primary care and management of the whole patient. Screening/risk stratification across the practice patterns. Examine epidemiology and its relevance to physical therapy. Assess the role of the physical therapist evaluation and prescription of exercises for intervention, wellness and prevention programs. Prerequisites: PHT701 and permission of instructor. | 3 |
| PHT 721 | Diagnostic Imaging I Fundamentals of diagnostic imaging for screening, evaluation, diagnosis, prognosis and outcomes assessment in patient populations frequently cared for by physical therapists. Scientific principles underlying multiple imaging technologies will be covered. PHT 701 and permission of instructor. | 2 |
| PHT 722 | Diagnostic Imaging II Systematic method of analyzing and integrating imaging findings into physical therapy diagnostic process, linking imaging findings of clinical case studies across lifespan and preferred practice patterns. Selected depth of knowledge in primary clinical practice area. Prerequisites: PHT 701,PHT 721 and permission of instructor. | 2 |
| PHT 723 | Pharmacology and Pathophysiology I Fundamental principles of pharmacology, from cellular/molecular level to systems level. Emphasizes effect of drug action on major systems, including therapeutic and adverse interactions and factors that modify their effects. Traditional and alternative pharmacologic interventions involving all systems will be covered. Prerequisite: PHT701 and permission of instructor. | 2 |
| PHT 724 | Pharmacology and Pathophysiology II Case studies and systematic reviews of the literature will be used to examine the impact of medications on physical therapy patient/client management. Selected depth of knowledge in primary clinical practice area. Emphasis on clinical decision making and autonomous practice. Prerequisite: PHT 701, PHT 723 and permission of instructor. | 2 |
| PHT 716 | Global Health Care Issues Evaluate current views on health policy, professionalism, professional interactions and competence and their impact on physical therapy practice. Strategies for fostering leadership, within the profession will be introduced. Prerequisite: PHT701 and permission of instructor. | 3 |
| PHT 816 | Capstone Practicum Capstone course tailored to individual student needs and professional interests. Students select community health, professional in-service, teaching, or preparation for clinical specialty as a focus. Individual or group experiences are planned with individual faculty and outside agencies. Prerequisite: PHT 701, PHT 712, PHT 721, PHT 722, PHT 723, PHT 724 and permission of faculty. | 1-2 |



ONLINE B.B.A. PROGRAMS

GAIN SKILLS FOR THE EVOLVING BUSINESS WORLD

- » **100% Online**
- » **Multiple Electives to Forge Your Own Path**
- » **Transfer Credits to Finish Fast**

Our online B.B.A. programs provide you with a solid foundation in business skills, plus the expertise in the professional area of your choice. When you graduate, you will be prepared to:

- Address business and organizational challenges.
- Identify and interpret legal and ethical issues.
- Use communication skills to influence audiences.
- Recognize the managerial impact of global and multicultural environments.
- Interpret and produce quantitative and qualitative information.

B.B.A. in Business Administration: Prepare for a Business Career with a Versatile Degree

No matter your professional goals, the online B.B.A. degree from Utica College can help you reach them. You'll build on foundational business concepts with your choice of high demand business electives to gain the knowledge needed to adapt and thrive in the complex and constantly changing business environment.

B.B.A. in Accounting: Gain Expertise for the Accounting Career You Want

The online B.B.A. in Accounting program delivers a solid academic foundation for a variety of business careers, while also fulfilling a portion of the courses required for the Certified Public Accountant (CPA) credential. By completing the B.B.A. in Accounting degree and the M.S. in Accounting degree, you'll graduate with the 150-credit hour requirement and be academically eligible to take the CPA exam in most states.

B.B.A in Business Data Analytics

Take the next step toward advancement in your business career with the online B.B.A. in Business Data Analytics degree. Build strong foundational skills for a variety of business careers, and also deliver the data analytics expertise necessary to make effective decisions as a leader in your field. In addition, you'll gain hands-on experience working with today's top analytical tools for business.

Program Curriculum

The 120-credit online B.B.A. degree programs can be completed in 2 to 4 years, depending on factors such as transfer credits and course load. Students are expected to take one course every eight weeks in each 16-week semester.

B.B.A. in Accounting

| Academic Requirements | Credit Hours |
|-------------------------------|--------------|
| Core Courses | 34-55 |
| Business Requirement Courses | 42 |
| Accounting Major Requirements | 18 |
| Business Electives | 12 |
| Additional College Electives | 0-14 |
| Total Program Credits | 120 |

B.B.A. in Business Administration

| Academic Requirements | Credit Hours |
|------------------------------|--------------|
| Core Courses | 34-55 |
| Business Requirement Courses | 42 |
| Specialization Electives | 18 |
| Additional College Electives | 5-26 |
| Total Program Credits | 120 |

B.B.A. in Business Data Analytics

| Academic Requirements | Credit Hours |
|---|--------------|
| Core Courses | 34-55 |
| Business Requirement Courses | 36 |
| Business Data Analysis Major Requirements | 24 |
| Business Electives | 12 |
| Additional College Electives | 0-14 |
| Total Program Credits | 120 |

PURSUE A CAREER FIELD WITH LIMITLESS POSSIBILITIES

An online Bachelor of Business Administration degree can lead to many career opportunities in a wide array of specialty areas, including:

- Financial Examiner
- Health Services Manager
- Human Resource Manager
- Accountant
- Marketing Manager
- Insurance Underwriter
- Auditing Clerk
- Market Research Analyst
- Certified Public Accountant
- Financial Manager

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A MODERN MBA DESIGNED FOR REAL-WORLD SUCCESS

LESS THEORY, MORE APPLICATION, GREATER RESULTS.

Utica College has a new take on the traditional MBA. With a modern, performance-driven approach, this online MBA provides you with:

- **Advanced skills in your chosen area of specialization**
- **Outcome-focused training in skills relevant to your career**
- **A leadership assignment with a real-world organization**
- **Market strategy simulation tools for authentic business outcomes**

The Utica College online MBA is unique, offering a high caliber of education at an unprecedented value, to give you the practical skills and proven expertise you need now to create the career you want for life.

ANYWHERE, ANYTIME LEARNING

The online MBA program offers you the opportunity to structure your studies in the way that best suits your schedule and learning style. Students have the flexibility to:

- **Complete courses 100% online.**
- **Attend scheduled classes on-campus.**
- **Attend live, on-campus lectures via the virtual classroom.**
- **Watch recorded lecture sessions at their discretion.**

72 PERCENT of employers expect to hire MBA graduates at higher-level positions, a continuous upward trend from previous years.*

UNPARALLELED SKILLS

The Utica College online MBA is tailored to maximize your success, offering specializations to establish your expertise, and make your credentials stand out to prospective employers.

According to the Graduate Management Admission Council (GMAC), the outlook for MBA graduates was overwhelmingly positive, making them some of the most sought-after candidates among business school graduates.*

**UNPARALLELED SKILLS.
REAL-WORLD APPLICATION.
AFFORDABLE PRICE.**

Career prospects for MBA graduates continue to improve in the U.S. and Asia-Pacific across industries, including double-digit increases in technology, nonprofit and government, and energy.*

ACBSP Accredited



This online MBA program is accredited by ACBSP, the Accreditation Council for Business Schools and Programs. Founded in 1988, the ACBSP is a leading accreditation association for business education that focuses on teaching excellence, student learning outcomes and a continuous improvement model. ACBSP accredits nearly 3,000 programs at over 430 campuses around the world.

THE MBA FOR A CHANGING, GLOBAL ECONOMY

EVOLVE YOUR CAREER

The 30-credit Utica College online MBA incorporates modern case studies, real-world scenario simulation as well as actual business application to create an exceptional outcomes-focused graduate program, designed for relevance in today's business world.

Choose from these in-demand specializations designed to provide you with proven, relevant skills sought after in today's business world:

- **Cybersecurity**
- **Data Analytics**
- **Entrepreneurship**
- **Finance/Accounting**
- **General Management**
- **Health Care Management**
- **Insurance & Risk Management**

You will also have the opportunity to complete a Masters Research Project (Capstone) – an applied consulting project with a real business, applying your new knowledge and skills in a real-world setting.

WHY CHOOSE UTICA COLLEGE

Utica College offers the advantages of a large university with the intimacy and personal attention of a smaller, private college. With outstanding undergraduate and graduate degree options designed for real-world success, Utica College is focused on your personal and intellectual growth, helping you build a strong foundation for success in your professional life.

PROGRAM CURRICULUM

Business Core

| Course # | Course Name | Credits | Yr |
|----------|---|---------|----|
| BUS 611 | Principles and Practices of Leadership I | 1.5 | 1 |
| BUS 612 | Principles and Practices of Leadership II | 1.5 | 1 |
| BUS 621 | Financial Fluency I | 1.5 | 1 |
| BUS 622 | Financial Fluency II | 1.5 | 1 |
| BUS 631 | Data-driven Decision-making I | 1.5 | 1 |
| BUS 632 | Data-driven Decision-making II | 1.5 | 1 |
| BUS 641 | The Global Consumer, Markets and Logistics I | 1.5 | 1 |
| BUS 642 | The Global Consumer, Markets and Logistics II | 1.5 | 1 |
| BUS 651 | Strategy I | 1.5 | 1 |
| BUS 652 | Strategy II | 1.5 | 1 |

Elective Specialization

Select any four graduate level 3 Credit courses from your Specialization area.

Capstone

| Course # | Course Name | Credits | Yr |
|----------|-----------------------|---------|----|
| BUS 679 | MBA Project Proposal | 1.5 | 2 |
| BUS 689 | MBA Project Execution | 1.5 | 2 |



ONLINE ACCOUNTING MASTER'S PROGRAMS

Take the Next Step in Your Accounting Career

Utica College presents two outstanding accounting graduate degrees that can each be earned online in as few as two years.

The online **M.S. in Accounting** program is the gateway to your CPA. You'll graduate ready to use the Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) to perform audits, methodically identify accounting problems, and clearly present solutions using accounting and tax frameworks.

The online **M.S. in Forensic Accounting** program prepares you to audit, investigate, and prevent fraud and other financial crimes while preparing you to earn your CPA license. Coursework in core courses and electives provides a deep base of forensic accounting knowledge and skills to take directly into high-demand positions.

PREPARE FOR YOUR CPA

Whether you select the online M.S. in Accounting or the M.S. in Forensic Accounting program, the curriculum is designed to meet the academic course requirements for CPA licensure in most states. You'll graduate ready to sit for the CPA exam with confidence.

CAREER OUTLOOK

According to the Bureau of Labor and Statistics, market factors such as a growing economy and a complex regulatory environment will continue to lead to strong demand for accountants and auditors who earn a median salary of \$73,560 a year.¹

Accounting Careers

- Financial Analyst
- Accountant
- Controller
- Financial Manager
- Treasurer

Forensic Accounting Careers

- Internal Auditor/Investigator
- Anti-Money Laundering Specialist
- Fraud Investigator
- Financial Forensic Analyst

1. <https://www.bls.gov/ooh/business-and-financial/home.htm>

ONLINE MASTER OF SCIENCE IN ACCOUNTING

PROGRAM CURRICULUM

These 100% online, 30-credit-hour accounting programs can be completed within two years and fulfill the academic requirement for CPA licensure in NY as well as most states.

M.S. in Accounting

You'll gain essential accounting skills as you explore financial models, quantitative analysis, corporate tax issues, and more. Graduate prepared to conduct financial and compliance audits, and interpret and prepare financial statements, reports, budgets, analyses, and forecasts.

Core Courses

| | | |
|---------|--------------------------------------|---|
| ACC 503 | Advanced Corporate Tax | 3 |
| ACC 563 | Forensic Accounting | 3 |
| ACC 601 | Advanced Managerial Accounting | 3 |
| ACC 602 | Accounting Theory and Practice | 3 |
| ACC 607 | Financial Statement Analysis | 3 |
| ACC 613 | Advanced Auditing | 3 |
| ECN 607 | Quantitative Analysis for Management | 3 |
| FIN 613 | Advanced Corporate Finance | 3 |

Elective Courses: Choose Two

| | | |
|---------|--|-----|
| ACC 604 | Seminar in Assurance & Forensic Auditing | 3 |
| ACC 605 | Financial Reporting and Analysis | 3 |
| BUS 517 | Small Business Innovation | 3 |
| BUS 607 | Brand Analytics and Marketing | 3 |
| BUS 611 | Principles and Practices of Leadership I | 1.5 |
| BUS 612 | Principles and Practices of Leadership II | 1.5 |
| BUS 627 | Digital Marketing | 3 |
| BUS 637 | Small Business Funding | 3 |
| BUS 641 | The Global Consumer, Markets and Logistics | 1.5 |
| BUS 642 | The Global Consumer, Markets and Logistic | 1.5 |
| BUS 647 | Venture Implementation | 3 |
| DSC 607 | Data Mining | 3 |
| DSC 609 | Machine Learning | 3 |
| DSC 611 | Data Visualization | 3 |
| FCM 603 | Management of Fraud Prevention and Detection | 3 |
| FCM 623 | Advanced Fraud Investigation and Analysis | 3 |
| FCM 627 | Fraud Management: Risk and Compliance | 3 |
| FCM 632 | Information and Communication Security | 3 |
| MGT 617 | Corporate Ethics | 3 |
| RMI 610 | Insurance and Risk Management for Today's Professional | 3 |
| RMI 620 | Property & Casualty Risk Management for Business and Individuals | 3 |
| RMI 630 | Insuring and Managing Risk for the Person | 3 |
| RMI 640 | Managing Risk Across the Enterprise | 3 |

ACAMS Partnership

Through Utica's unique partnership with ACAMS, you'll start your forensic accounting career off right. You'll receive a free student membership to have access to exclusive industry content, training, and support in advancing your career. You'll also qualify to take the CAMS exam at a significant discount. If you're already a member, you'll receive a 10% tuition discount and waived application fee.

M.S. in Forensic Accounting

Learn how to combine skills in forensic accounting, auditing, and analysis with investigative techniques and technologies so you can detect, investigate, prosecute, and prevent fraud and other financial crimes.

Core Courses

| | | |
|---------|--|---|
| ACC 563 | Forensic Accounting | 3 |
| ACC 602 | Accounting Theory and Practice | 3 |
| ACC 604 | Seminar in Assurance and Forensic Auditing | 3 |
| ACC 613 | Advanced Auditing | 3 |
| ECN 607 | Quantitative Analysis for Management | 3 |
| FCM 626 | Financial Investigation | 3 |
| FCM 631 | Fraud Management and Technology | 3 |

Elective Courses: Choose Three

| | | |
|---------|--|---|
| ACC 503 | Advanced Corporate Tax | 3 |
| ACC 601 | Advanced Managerial Accounting | 3 |
| ACC 605 | Financial Reporting and Analysis | 3 |
| ACC 607 | Financial Statement Analysis | 3 |
| CYB 624 | Cybercrime Investigations | 3 |
| CYB 651 | Insuring and Managing Risk for the Person | 3 |
| CYB 673 | Computer Forensics and Investigation Methods | 3 |
| FCM 622 | Legal Concepts of Criminal Fraud | 3 |
| FCM 627 | Fraud Management: Risk and Compliance | 3 |
| FCM 642 | Advanced Fraud Analysis | 3 |
| FIN 613 | Advanced Corporate Finance | 3 |

Foundation Modules (for Non-Accounting Bachelors)

If you don't have a Bachelor's in Accounting, you'll also take up to five of these fundamental courses alongside the M.S. in Forensic Accounting courses.

| | | |
|---------|----------------------------|---|
| ACC 501 | Intermediate Accounting | 3 |
| ACC 502 | Intermediate Accounting II | 3 |
| ACC 511 | Auditing | 3 |
| ACC 533 | Cost Management | 3 |
| ACC 544 | Income Tax Accounting | 3 |

CipherTrace Partnership

Through a unique partnership with CipherTrace — a leading cryptocurrency intelligence company — you can become a CipherTrace Certified Examiner (CTCE) and learn how to analyze and trace funds lost in cryptocurrency fraud and theft. You'll use the same tools and get the same CTCE training as regulators and law enforcement members around the world.

Once certified, you'll be able to complete an active investigation at CipherTrace and write the case report, giving you direct, hands-on experience and demonstrating an incredibly valuable skill set to employers



MASTER OF SOCIAL WORK (MSW) ONLINE

Focus on Recovery-Oriented Clinical Social Work

You can complete the flexible, 60-credit MSW degree in as few as eight semesters. The rigorous curriculum is aligned with the Council on Social Work Education (CSWE) competencies and includes key courses like:

- Advocacy for Mental Health.
- Assessment of Mental Health Across the Lifespan.
- Power, Privilege, and Oppression.
- Recovery Theory, Values, and Skills.

Advance Human Rights for All

Utica College's online MSW degree can lead to positions in clinical social work that enable you to advance human rights and social justice in your community. You'll graduate with hands-on skills applicable to careers in health care, government institutions, social service agencies, school settings, and private practice.

Help Others With Their Mental Health and Recovery

- Become an advanced clinical social work practitioner.
- Gain real-world experience in direct-practice field placements.
- Receive one-on-one mentoring from expert faculty.
- Unique preparation for licensure exams* in your home state.
- No GRE or GMAT required.

Advance in Growing Social Work Careers

Social work careers are growing faster than most other occupations. The U.S. Bureau of Labor Statistics predicts a 13-14% increase in social work jobs between 2019 and 2029, compared to an average 4% increase in jobs across all fields.

Utica's MSW degree prepares students to sit for licensure exams* in their home state.

(866) 295-3106

PROGRAMS.ONLINE.UTICA.EDU

UTICA
COLLEGE

MASTER OF SOCIAL WORK (MSW) ONLINE

MSW Degree Curriculum

The online MSW degree consists of 20 courses (two of which are electives) for 60 total credit hours. Within the program, you'll complete 900 clinical/field hours across two fieldwork courses.

Core Courses

| Course Number | Course Name | Credit Hours |
|---------------|---|--------------|
| SWK 501 | Human Behavior in the Social Environment | 3 |
| SWK 502 | Recovery Theory, Values, and Skills | 3 |
| SWK 503 | Evidence for Practice | 3 |
| SWK 504 | Power, Privilege, and Oppression | 3 |
| SWK 505 | Assessment of Mental Health Across the Lifespan | 3 |
| SWK 506 | Advocacy for Mental Health | 3 |
| SWK 511 | Social Work with Individuals, Families, and Group | 3 |
| SWK 512 | Social Work with Communities and Organizations | 3 |
| SWK 521 | Field Work 1 | 3 |
| SWK 522 | Field Work 2 | 3 |

Focus Area Courses

| Course Number | Course Name | Credit Hours |
|---------------|----------------------------------|--------------|
| SWK 601 | Clinical Social Work Practice I | 3 |
| SWK 602 | Clinical Social Work Practice II | 3 |
| SWK 605 | Motivational Interviewing | 3 |
| SWK 606 | Cognitive-Behavioral Therapies | 3 |
| SWK 621 | Field Work 3 | 3 |
| SWK 613 | Mental Health Policy | 3 |
| SWK 614 | Clinical Case Evaluation | 3 |
| SWK 622 | Field Work 4 | 3 |

Electives

| Course Number | Course Name | Credit Hours |
|---------------|----------------------|--------------|
| SWK 615 | Psychodynamic Theory | 3 |
| SWK 616 | Trauma and Recovery | 3 |

"The MSW at Utica College emphasizes student openness to growth and change so that they, as clinicians, can give hope to people who are struggling. Utica's emphasis on recovery-oriented social work is one-of-a-kind in the U.S. and will prepare graduates to be excellent social work practitioners in any field they choose."

—Ethan Haymovitz, Director of social work and Professor of Practice at Utica College

Your Goals Are Our Top Priority

All students in Utica College's MSW degree program receive support from building academic foundations through developing clinical practice skills. You'll have access to academic advisors, enrollment counselors, transfer specialists, faculty mentors, and career counselors who are dedicated to your progress. Get started today!

[Request More Information](#)

[Apply Now](#)

Contact an Enrollment Counselor at
1-866-295-3106

**Students should consult with their state or provincial regulatory board to confirm requirements for licensure in their state and may reach out to the program directly with any additional questions.*

1. U.S. Bureau of Labor Statistics. "Social Workers."
<https://www.bls.gov/ooh/community-and-social-service/social-workers.htm#tab-1>. Retrieved Nov. 11, 2020.

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