METROPOLITAN COLLEGE GRADUATE PROGRAMS AT HANSCOM AIR FORCE BASE

Master of Science in
Computer Information Systems
Computer Science
Leadership

Graduate Certificate in
Project Management

BOSTON UNIVERSITY GRADUATE PROGRAMS AT MILITARY LOCATIONS

Boston University's Metropolitan College (MET) is proud to serve the U.S. military community with academic programs on base at locations in Massachusetts (Hanscom AFB) and North Carolina (MCAS Cherry Point and MCB Camp Lejeune). These graduate-level programs offer convenient weekend or evening classes, available to active duty military personnel, their dependents, and Department of Defense employees and contractors. Those who do not fall within these categories are encouraged to inquire with local field officers about enrolling.

Programs at Hanscom Air Force Base, Massachusetts

There are four graduate programs available at Hanscom AFB through Boston University's Metropolitan College:

- Master of Science in Computer Information Systems (MSCIS)
- Master of Science in Computer Science (MSCS)
- Master of Science in Leadership (MSL)
- Graduate Certificate in Project Management (GCPM)

Thanks to a flexible model and proximity to Boston University's main Charles River Campus, Hanscom Air Force Base students are able to take advantage of on-base services as well as resources available on the main campus.

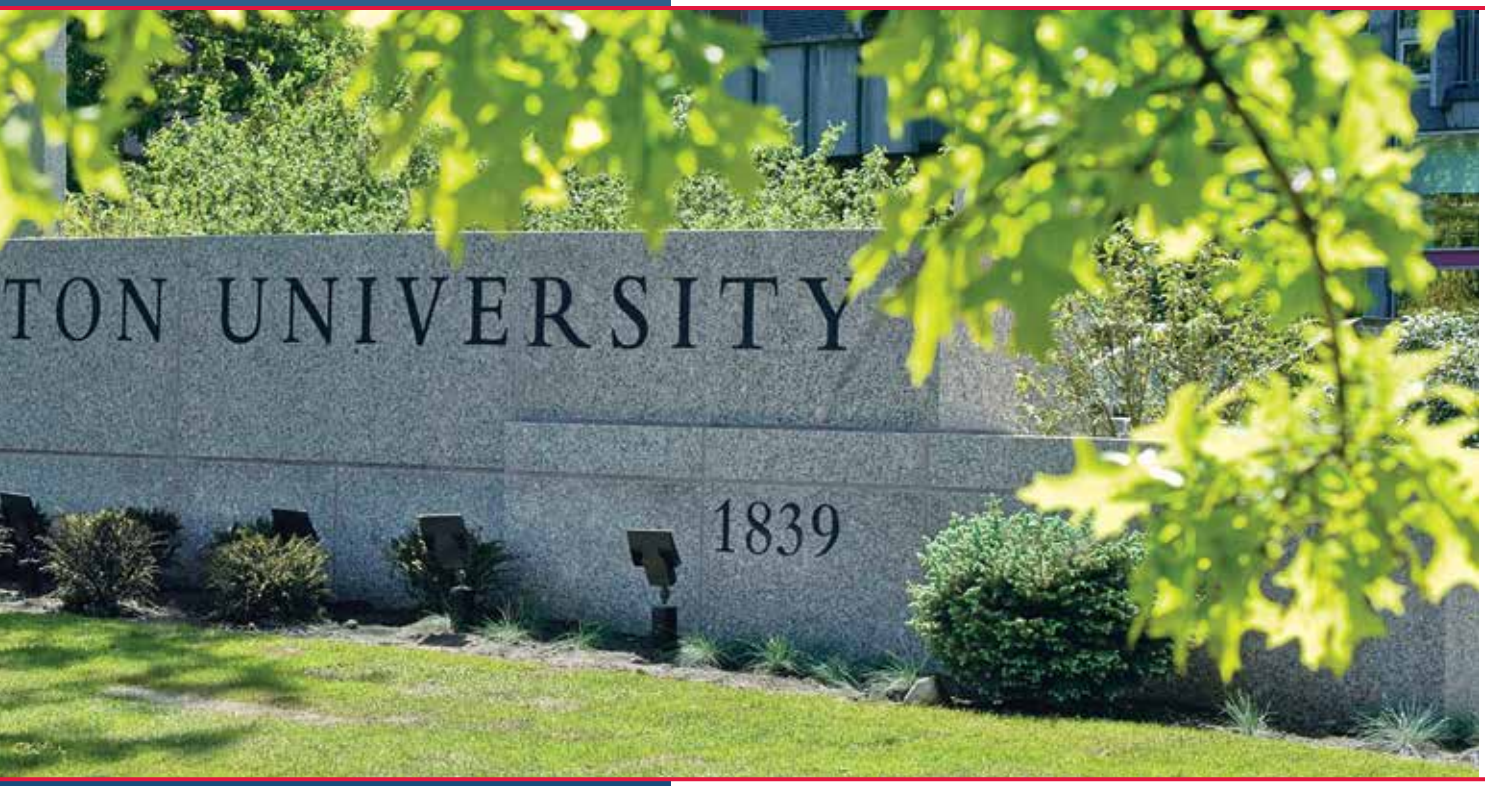
A special feature of MET's program at Hanscom is that active duty military who are deployed or assigned permanent change of station while enrolled in a degree program on base may petition the Dean of BU's Metropolitan College to take courses online or on the Charles River Campus in order to continue their program.

For additional details, or to receive a petition form, please contact the director of Metropolitan College programs at Hanscom AFB, who is available on base to provide student support and administrative services.

About Boston University and Metropolitan College

Founded in 1839, Boston University (BU) is an internationally recognized, private research university with more than 32,500 students enrolled in undergraduate, graduate, and professional programs of study. BU consists of 17 schools and colleges, along with a number of multidisciplinary centers and institutes that are central to the University's research and teaching mission.

Since 1965, Metropolitan College (MET) has incorporated BU's standards for excellence in teaching and scholarship into academic programs that serve adult students at various stages of their lives and careers. Available in convenient and innovative formats, programs at MET are characterized by overall quality and rigor, and distinguished by their responsiveness to current societal and professional needs.



ACCREDITATIONS AND CERTIFICATIONS

- Boston University is an accredited member of AACSB International—the Association to Advance Collegiate Schools of Business.
- Information Security programs at Boston University are certified by the Committee on National Security Systems (CNSS).
- The Master of Science in Computer Information Systems is accredited by the Project Management Institute Global Accreditation Center for Project Management Education Programs (GAC).
- Boston University Metropolitan College Master of Science programs in Administrative Studies and management are accredited by the European Foundation for Management Development (EFMD) Program Accreditation System (EPAS). The College is a full member of EFMD.

RANKINGS AND AWARDS

- *U.S. News & World Report*, 2017
  - o #4, Best Online Graduate Computer Information Technology Programs
  - o #10, Best Online Graduate Business Programs (excluding MBAs)
- United States Distance Learning Association (USDLA), 2016
  - o 21st Century Award for Best Practices in Distance Learning

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21st Century BEST PRACTICES 2016 Award Winner
United States Distance Learning Association

BEST ONLINE PROGRAMS U.S.News & WORLD REPORT GRAD COMPUTER INFORMATION TECHNOLOGY 2017

BEST ONLINE PROGRAMS U.S.News & WORLD REPORT GRAD BUSINESS 2017

Graduate Degree Programs

MASTER OF SCIENCE IN COMPUTER INFORMATION SYSTEMS (MSCIS)

The Master of Science in Computer Information Systems (MSCIS) is a weeknight (evening) graduate program designed for students who wish to combine a technical competence in computer science and information systems with a knowledge of managerial and organizational issues. Students receive training in both modern management and the technology of computer systems.

- The MSCIS course of study includes a four-course IT project management curriculum that introduces the techniques for software risk management, software cost estimation, and software quality management. Students also learn virtual project management, enabling them to manage geographically distributed software development.
- Boston University's Metropolitan College is recognized by the National Security Agency (NSA) and Department of Homeland Security as a National Center of Excellence in Information Assurance Education and Research.
- Information security programs are certified by the Committee on National Security Systems (CNSS).
- Students can qualify to earn the CNSS-4011 and CNSS-4013 certifications.
- Students have access to BU's Center for Reliable Information Systems & Cyber Security (RISCS) research consortium.

Prerequisites

Students must be proficient in the basic areas of computer spreadsheet, database, and word processing applications. Students may need to complete the prerequisite course "Fundamentals of Information Technology" (MET CS 200) depending on their education and experience.

Degree Requirements

A total of ten courses (40 credits) is required for the Master of Science in Computer Information Systems.

Core Courses

MET CS 625	Business Data Communications and Networks
MET CS 669	Database Design and Implementation
MET CS 682	Information Systems Analysis and Design
MET CS 782	IT Strategy and Management

And one of the following:

MET CS 520	Information Structures with Java
MET CS 521	Information Structures with Python

IT Project Management Courses

MET CS 546	Quantitative Methods for Information Systems
MET CS 632	IT Project Management
MET CS 633	Distributed Software Development and Management
MET CS 634	Agile Software Development
MET CS 783	Enterprise Architecture

"Management is doing things right; leadership is doing the right things."

—Peter F. Drucker (1909–2005)

MASTER OF SCIENCE IN COMPUTER SCIENCE (MSCS)

The Master of Science in Computer Science (MSCS) is a weeknight (evening) graduate degree program designed for computer professionals and those who intend to move into the computer field from other areas of study.

- Boston University's Metropolitan College is recognized by the National Security Agency (NSA) and Department of Homeland Security as a National Center of Excellence in Information Assurance Education and Research.
- Information security programs are certified by the Committee on National Security Systems (CNSS).
- Students have access to BU's Center for Reliable Information Systems & Cyber Security (RISCS) research consortium.

Degree Requirements

A total of ten courses (40 credits) is required for the Master of Science in Computer Science.

Core Courses

MET CS 566	Analysis of Algorithms
MET CS 575	Operating Systems
MET CS 662	Computer Language Theory
MET CS 673	Software Engineering

And one of the following:

MET CS 535	Computer Networks
MET CS 579	Database Management

Elective Courses

MET CS 599	Biometrics
MET CS 683	Mobile Application Development
MET CS 689	Data Warehouse
MET CS 699	Data Mining
MET CS 755	Cloud Computing
MET CS 767	Machine Learning

MASTER OF SCIENCE IN LEADERSHIP (MSL)

The Master of Science in Leadership (MSL) is a weekend graduate program designed to develop leadership excellence in the twenty-first century. Whether you are in command of a mission or in charge of personnel in a civilian organization, leadership is an essential quality in building loyalty, trust, and teamwork. Successful leadership involves setting the right objectives, communicating strategies and ideas, and executing projects successfully.

The Master of Science in Leadership (MSL) develops specific skills for effective, organizational leadership in the military as well as in private, public, government, or non-profit sectors. Emphasizing sociological and psychological content, the rigorous and intensive ten-course curriculum builds on students' interdisciplinary backgrounds, providing a comprehensive understanding of key leadership skills.

Students in the MSL program benefit from:

- An intellectually challenging environment that develops professional skills for career advancement
- Advanced leadership wisdom and education that prepares students for a dynamic business environment
- Imbedded four-course project management curriculum that introduces the methodologies of effective project management principles and techniques, communication, and cost and risk management

Degree Requirements

A total of ten courses (40 credits) is required for the Master of Science in Leadership. The degree can be completed in as little as five semesters, or twenty months, by taking Hanscom AFB courses during the Summer, Fall, and Spring Semesters.

Required Courses

MET AD 615	Introductory Macroeconomic Analysis
MET LD 630	Leadership: Historic and Social Perspectives
MET AD 632	Financial Concepts
MET AD 642	Project Management
MET AD 643	Project Communications Management
MET AD 644	Project Risk and Cost Management
MET AD 646	Program Management
MET LD 705	Leadership in a Dynamic Environment
MET AD 711	Leadership and Strategy
MET AD 715	Quantitative and Qualitative Analysis

Graduate Certificate Program

Boston University graduate certificate programs are an excellent option for the student who seeks professional advancement without immediately committing to a degree program, or for those who may already have an advanced degree and wish to update their knowledge and skills.

GRADUATE CERTIFICATE IN PROJECT MANAGEMENT (GCPM)

The Graduate Certificate in Project Management (GCPM) is a four-course certificate offered at Hanscom AFB on weekends. The curriculum delivers comprehensive knowledge of essential techniques for successful, cost-effective management of both large- and small-scale projects. Under the guidance of distinguished faculty, you will examine detailed case studies, conduct project simulations, and gain both theoretical and practical expertise that will prepare you for a wide variety of project management–related careers.

The GCPM also provides excellent preparation for the certification examination for the Project Management Professional (PMP®)—an internationally recognized credential that denotes expertise in project management. Applicants who have already passed the Project Management Institute's PMP® certification examination may be eligible to receive a course waiver for MET AD 642. Contact your local field office for more information.

The GCPM may be applied toward the MS Leadership degree program at Hanscom, the MS Administrative Studies (MSAS) degree program offered in Boston, or the MS Project Management (MSPM) degree program* offered in Boston or online.

Application to the MSAS or MSPM degree programs should be made online or through the main campus in Boston. Visit **bu.edu/met/admission.*

Prerequisites

An accredited bachelor's degree, with an undergraduate grade point average of 2.75 (3.0 in last two years) or successful completion of the GMAT.

Required Courses

MET AD 642	Project Management
MET AD 643	Project Communications Management
MET AD 644	Project Risk and Cost Management
MET AD 646	Program Management

Admission Requirements

Degree and certificate programs are available to all qualified men and women who have earned a bachelor's degree from a regionally accredited college or university. Programs are available to active duty military personnel, their dependents, and Department of Defense employees or contractors. No particular undergraduate course of study is required for admission.

You may apply online to any of the degree or certificate programs by visiting the MET admission site at **bu.edu/met/admissions/apply-now**.

A completed admission application package for the Hanscom-based programs in Computer Information Systems, Computer Science, Leadership, or Project Management should contain:

- A completed application form
- A self-evaluation (short essay discussing your motivation for study)
- A current résumé
- Original transcript(s) from all schools attended, especially the degree-conferring school, with degree and date
- Three letters of recommendation from professors or employers
- A non-refundable application fee of $85 for a degree program ($25 for a certificate program), made payable to Boston University

Applications are reviewed by the Metropolitan College Graduate Committee on a continuing basis throughout the year.

Transfer credit from other accredited institutions can be discussed with an academic advisor. Up to two courses can be transferred into a program based on course content, grade earned, meeting hours, and the submission of an official transcript with the Admission Packet.

ACADEMIC STANDING

A minimum grade of 2.7 (B-) in each course is required for graduation. Students must maintain an overall grade point average of 3.0 (B) to be in good academic standing and to graduate.

All requirements for the degree must be satisfied within six years of the date of initial registration.

Course Descriptions

MET AD 615
Introductory Macroeconomic Analysis
Includes national economic performance; problems of recession, unemployment inflation, and trade and budget deficits; money creation, government spending, and taxation; economic policies for full employment and price stability; and international trade and payments.

MET LD 630
Leadership: Historic and Social Perspectives
This course will examine the underlying values of organizations and guide students through the evolutionary development of successful leadership models. Students will be exposed to multiple profiles and strategies of renowned leaders with a diverse set of challenges reflecting innovative and evolving methodologies.

MET AD 632
Financial Concepts
Introduction to the concepts, methods, and problems of accounting and financial analysis. Includes accounting principles, measurement and disclosure issues, financial statement analysis, time value of money, cash flow projection and analysis, capital budgeting and project evaluation, bond and equity valuation, and cost of capital and capital structure.

MET AD 642
Project Management
The course examines the concepts and applied techniques for cost-effective management of both long-term development programs and projects. Project management principles and methodology are provided with special focus on planning, controlling, and coordinating individual and group efforts. Key topics of focus include overview of modern project management; organization strategy and project selection; definition a project, developing a project plan, and scheduling resources; project risk analysis; work breakdown structures; and project networks. MS Project will be introduced in this course to provide hands-on practical skills with the above topics. Mastery of key tools and concepts introduced provides a significant competitive advantage

MET AD 643
Project Communications Management
To succeed in project management, you must be a strong leader and an effective communicator. This course examines the current philosophies of leadership as applied to project management and identifies various styles of communication and conflict resolution. Through case studies and various exercises, you will develop enhanced leadership, communication, conflict management, and negotiation skills.

MET AD 644
Project Risk and Cost Management
This course introduces the art and science of project risk as well as continuity management and cost management. Managing the risk of a project as it relates to a three-part systematic process of identifying, analyzing, and responding is examined through actual case studies. Students learn how to manage the components of a project to assure it can be completed through both general and severe business disruptions on local, national, and international levels. Students learn the process of cost management, early cost estimation, detailed cost estimation, and cost control using earned value method. Students study in depth the issues of project procurement management and the different types of contracts for various scope scenarios.

MET AD 646
Program Management
This course will provide a detailed understanding of program management and will present concepts that promote efficient and effective communication and coordination among various groups. Students understand PMI® program management processes and use tools that automate and enforce processes for managing scope changes, risk, quality, issues, schedules, resources, releases, and costs. You will learn how to design a program and manage program costs, risk, and communication within the context of Project Portfolios. This course is targeted to senior executives, portfolio managers, program managers and their team members, members of a PMO, customers/stakeholders, educators, and consultants. This course introduces processes and knowledge areas from three new PMI standards: Program Management standard, OPM3, and Portfolio Management.

MET LD 705
Leadership in a Dynamic Environment
This course will analyze the values, behaviors, and processes that lead people and organizations to become effective leaders in their chosen field, and, as a consequence, to build sustainable and lasting competitive advantages.

MET AD 711
Leadership and Strategy
This course focuses on the role of the leadership of a corporation in determining and implementing the corporation's strategy. Through the analysis and the discussion in class of a number of cases, the leadership styles, approaches and methods will be studied, as well as the implications for the strategies of the corporations concerned, and the resulting successes or failures.

MET AD 715
Quantitative and Qualitative Decision-Making
Explores decision-making and policy formulation in organizations. Includes goal-setting and the planning process, rational models of decision-making, evaluation of alternatives, prediction of outcomes, cost-benefit analysis, decision trees, uncertainty and risk assessment, and procedures for evaluation of outcomes.

MET CS 200
Fundamentals of Information Technology (Boston or online)
This course is a technically-oriented introductory survey of information technology. Students learn about basic computer information, different types of business systems and basic systems analysis, design, and development. Students also study basic mathematics and software development, and create simple Java programs.

MET CS 520
Information Structures with Java
This course covers the concepts of the object-oriented approach to software design and development using the Java programming language. It includes a detailed discussion of programming concepts starting with the fundamentals of data types, control structures methods, classes, applets, arrays, and strings, and proceeding to advanced topics such as inheritance and polymorphism, interfaces, exceptions, and streams. Upon completion of this course the students will be able to apply software engineering criteria to design and implement Java applications that are secure, robust, and scalable.

MET CS 521
Information Structures with Python
This course covers the concepts of the object-oriented approach to software design and development using the *Python* programming language. It includes a detailed discussion of programming concepts starting with the fundamentals of data types, control structures methods, classes, arrays and strings, and proceeding to advanced topics such as inheritance and polymorphism, creating user interfaces, exceptions and streams. Upon completion of this course students will be capable of applying software engineering principles to design and implement Python applications that can be used in conjunction with analytics and big data.

MET CS 535
Computer Networks
Overview of data communication and computer networks, including network hardware and software, as well as reference models, example networks, data communication services, and network standardization. The OSI and the Internet (TCP/IP) network models are discussed. The course covers each network layer in detail, starting from the Physical layer to towards the Application layer, and includes an overview of network security topics. Other topics covered include encoding digital and analog signals, transmission media, protocols, circuit, packet, message, switching techniques, internetworking devices, topologies, LANs/WANs, ethernet, IP, TCP, UDP, and web applications. Labs on network analysis.

MET CS 546
Quantitative Methods for Information Systems
The goal of this course is to provide Computer Information Systems students with the mathematical fundamentals required for successful quantitative analysis of problems in the field of business computing. The first part of the course introduces the mathematical prerequisites for understanding probability and statistics. Topics include combinatorial mathematics, functions, and the fundamentals of differentiation and integration. The second part of the course concentrates on the study of elementary probability theory, as well as discrete and continuous distributions.

MET CS 566
Analysis of Algorithms
Discusses basic methods for designing and analyzing efficient algorithms emphasizing methods used in practice. Topics include sorting, searching, dynamic programming, greedy algorithms, advanced data structures, graph algorithms (shortest path, spanning trees, and tree traversals), matrix operations, string matching, and NP completeness.

MET CS 575
Operating Systems
Overview of operating system characteristics, design objectives, and structures. Topics include concurrent processes, coordination of asynchronous events, file systems, resource sharing, memory management, security, scheduling, and deadlock problems.

MET CS 579
Database Management
This course provides a theoretical yet modern presentation of database topics ranging from Data and Object Modeling, relational algebra, and normalization to advanced topics such as how to develop Web-based database applications. Other topics covered: relational data model, SQL, and manipulating relational data; applications programming for relational databases; physical characteristics of databases; achieving performance and reliability with database systems; and object-oriented and distributed information systems.

MET CS 599
Biometrics
This course illuminates the fundamental and design applications of various biometric systems based on fingerprints, voice, face, hand geometry, palm print, iris, retina, and other modalities. Multimodal biometric systems that use two or more of the above characteristics will be discussed. Biometric system performance and issues related to the security and privacy aspects of these systems will also be addressed.

MET CS 625
Business Data Communications and Networks
This course presents the foundations of data communications and takes a bottom-up approach to computer networks. It begins with an overview of modern data communication requirements, and basic distributed data concepts, and concludes with an overview of basic network security and management concepts.

MET CS 632
IT Project Management
This course provides students with a comprehensive overview of the principles, processes, and practices of software project management. Students learn techniques for planning, organizing, scheduling, and controlling software projects. There is substantial focus on software cost estimation and software risk management. Students will obtain practical project management skills and competencies related to the definition of a software project, establishment of project communications, managing project changes, and managing distributed software teams and projects.

MET CS 633
Distributed Software Development and Management
Many of today's software systems are developed by geographically distributed teams. The course examines software engineering in this context, from the project and program management perspective. The term project consists of in-process submissions that are thoroughly reviewed, including among peers, together with a working system prototype.

MET CS 634
Agile Software Development
This course provides students with a comprehensive overview of the principles, processes, and practices of agile software development. Students learn techniques for initiating, planning, and executing on software development projects using agile methodologies. Students will obtain practical knowledge of agile development frameworks and be able to distinguish between agile and traditional project management methodologies. Students will learn how to apply agile tools and techniques in the software development lifecycle from project ideation to deployment, including establishing an agile team environment, roles and responsibilities, communication and reporting methods, and embracing change. The guidelines outlined by the Project Management Institute are also leveraged for agile project development as a framework in this course.

MET CS 662
Computer Language Theory
Theory of finite automata and regular expressions and properties of regular sets. Context-free grammars, context-free languages, and pushdown automata. Turing machines, undecidability problems, and the Chomsky hierarchy. Introduction to computational complexity theory and the study of NP-complete problems.

MET CS 669
Database Design and Implementation for Business
Students learn the latest relational and object-relational tools and techniques for persistent data and object modeling and management. Students gain extensive hands-on experience using Oracle or Microsoft SQL Server as they learn the Structured Query Language (SQL) and design and implement databases. Students design and implement a database system as a term project.

MET CS 673
Software Engineering
Techniques for the construction of reliable, efficient, and cost-effective software. Requirement analysis, software design, programming methodologies, testing procedures, software development tools, and management issues. Students plan, design, implement, and test a system in a group project.

MET CS 682
Information Systems Analysis and Design
Object-oriented methods of information systems analysis and design for organizations with data-processing needs. System feasibility; requirements analysis; database utilization; Unified Modeling Language; software system architecture, design, and implementation, management; project control; and systems-level testing.

MET CS 683
Mobile Application Development
This course will be divided into two parts. The first part, two thirds of the course, covers the principles and problems associated with mobile device applications, using as examples Google Android, iPhone, and other platforms such as Nokia. The last third is an in-depth coverage of the open source Android development platform. Issues covered will include mobile hardware and cell networks, architectures, operating systems, languages, development environments and simulators, user interfaces, location-based services, and storing and retrieving data. Students will accomplish the following: (1) learn the unique set of problems and challenges in developing mobile applications compared with desktop applications; (2) learn the platform, tools, technology, and process for developing mobile applications using Google Android and the Apple iPhone platforms as the main examples; (3) write applications for the platforms covered, simulate them, and test them on the mobile hardware where possible; and (4) work collaboratively with fellow students on their projects.

MET CS 689
Designing and Implementing a Data Warehouse
This course surveys state-of-the art technologies in DW and Big Data. It describes the logical, physical, and semantical foundations of modern DW infrastructure. Students will create a cube using OLAP and implement decision-support benchmarks on Hadoop/Spark vs Vertica database. Upon successful completion, students will be familiar with tradeoffs in DW design and architecture.

MET CS 699
Data Mining
Data mining and investigation is a key goal behind any data warehouse effort. The course provides an introduction to concepts behind data mining, text mining, and web mining. Algorithms will be tested on data sets using the Weka Data mining software and Microsoft SQL Server 2005 (Business Intelligence Development Studio).

MET CS 755
Cloud Computing
Cloud computing leverages the World Wide Web to fulfill computing needs. It packages applications, computing power, and storage as a metered service similar to a utility. This model is designed to supplant the traditional mechanism of desktop computing in many cases. This course will cover the origin, theory, enabling technology, and hands-on labs for key concepts in cloud computing. Students will: (1) learn the unique set of problems and challenges in developing cloud computing applications; (2) learn the platform, tools, technology, and processes for developing cloud computing applications using Hadoop as the main example; and (3) propose, develop, and run applications for the platforms covered.

MET CS 767
Machine Learning
Theories and methods for automating and representing knowledge with an emphasis on learning from input/output data. The course covers a wide variety of approaches, including Supervised Learning, Neural Nets and Deep Learning, Reinforcement Learning, Expert Systems, Bayesian Learning, Fuzzy Rules, Genetic Algorithms, and Swarm Intelligence. Each student focuses on two of these approaches and creates a term project. Laboratory course.

MET CS 782
IT Strategy and Management
This course describes and compares contemporary and emerging information technology and its management. Students learn how to identify information technologies of strategic value to their organizations and how to manage their implementation. The course highlights the application of IT to business needs.

MET CS 783
Enterprise Architecture
This course builds upon the strong technical foundation of our MSCIS and MSCS curricula, by providing students with the CIO-level management perspective and skills of an enterprise architect, in the context of the technologies that implement those architectures. Our Ross, Weil, and Robertson text provides much of the management content of the course, and the online and classroom content provide both management and technical skills. Students learn that enterprise architectures are best developed incrementally, by system development projects that are aligned with strategic goals and the enterprise architecture. The online content therefore includes many real enterprise system development case studies, showing how these enterprise systems contributed to and helped define the overall enterprise architecture. The course also includes a number of realistic enterprise architecture assignments and an incremental term project with components spanning the course, to provide students with hands-on enterprise architecture experience. The course provides students with the understanding and skills needed to define and implement successful enterprise architectures that provide real value to organizations, such as substantially reducing IT costs while improving performance, agility, and alignment of information technology to business goals.

COURSE SCHEDULES

HANSCOM AFB, FALL 2016–SUMMER 2018

Planned rotation of **MSL/MSCIS/MSCS** courses (tentative):

SEMESTER YEAR	MSL COURSES	MSCIS COURSES	MSCS COURSES
Spring 2017	MET AD 644 Project Risk and Cost Management MET AD 615 Introductory Macroeconomic Analysis	MET CS 632 IT Project Management MET CS 520 Information Structures with Java	MET CS 767 Machine Learning MET CS 673 Software Engineering
Summer 2017	MET AD 643 Project Communications Management MET AD 711 Leadership and Strategy	MET CS 633 Distributed Software Development and Management MET CS 669 Database Design and Implementation for Business	MET CS 684 IT Security Policies and Procedures MET CS 535 Computer Networks
Fall 2017	MET AD 715 Quantitative and Qualitative Decision-Making MET AD 646 Program Management	MET CS 634 Agile Software Development MET CS 782 IT Strategy and Management	MET CS 690 Network Security MET CS 662 Computer Language Theory
Spring 2018	MET AD 632 Financial Concepts MET AD 705 Leadership in a Dynamic Environment	MET CS 625 Business Data Communication and Networks MET CS 783 Enterprise Architecture	MET CS 664 Artificial Intelligence MET CS 566 Analysis of Algorithms
Summer 2018	MET AD 642 Project Management MET LD 630 Leadership: Social and Historical Perspectives	MET CS 546 Quantitative Methods for Information Systems MET CS 682 Information Systems Analysis and Design	MET CS 693 Digital Forensics and Investigations MET CS 575 Operating Systems

Planned rotation of **Project Management/IT Project Management certificate** courses (tentative):

SEMESTER YEAR	CERTIFICATES	CERTIFICATE COURSES
Spring 2017	PM ITPM	MET AD 644 Project Risk and Cost Management MET CS 632 IT Project Management
Summer 2017	PM ITPM	MET AD 643 Project Communications Management MET CS 633 Distributed Software Development and Management
Fall 2017	PM ITPM	MET AD 646 Program Management MET CS 634 Agile Software Development
Spring 2018	PM ITPM	Not Available MET CS 783 Enterprise Architecture
Summer 2018	PM ITPM	MET AD 642 Project Management Not Available

WEEKEND SCHEDULE SPRING 2017 (MSL, PM)

All Weekend Classes Run From 08:30h to 16:00h
Spring 2017 Registration: November 1, 2016–January 15, 2017

Week 1	Saturday, January 28 Sunday, January 29	MET AD 644, MET AD 649 MET AD 615
Week 2	Saturday, February 11 Sunday, February 12	MET AD 644, MET AD 649 MET AD 615
Week 3	Saturday, February 25 Sunday, February 26	MET AD 644, MET AD 649 MET AD 615
Week 4	Saturday, March 11 Sunday, March 12	MET AD 644, MET AD 649 MET AD 615
Week 5	Saturday, March 25 Sunday, March 26	MET AD 644, MET AD 649 MET AD 615
Week 6	Saturday, April 8 Sunday, April 9	MET AD 644, MET AD 649 MET AD 615
Week 7	Saturday, April 22 Sunday, April 23	MET AD 644, MET AD 649 MET AD 615

WEEKNIGHT SCHEDULE SPRING 2017 (MSCIS, MSCS)

All evening classes run from 18:00h to 21:00h
Spring 2017 Registration: November 1, 2016–January 15, 2017

Starting	Thursday, January 19	MET CS 673
Starting	Monday, January 23	MET CS 632
Starting	Tuesday, January 24	MET CS 520
Starting	Wednesday, January 25	MET CS 767

Facilities And Resources

LIBRARY RESOURCES

The Boston University Libraries (bu.edu/library) provide extensive service to the entire University community with a collection of more than 2.4 million physical volumes, over 45,000 current unique serials titles, and 77,000 media titles. While central service is provided by the Mugar Memorial Library, two branch libraries are of particular interest to students enrolled in the Leadership and Computer Information Systems programs: the Frederick S. Pardee Management Library and the Science & Engineering Library.

BU's library resources are increased through a consortium arrangement with local research libraries that include Boston College, Northeastern University, Massachusetts Institute of Technology, and others. An interlibrary loan system further expands these assets.

A librarian at the Pardee Management Library serves as the liaison between the students at military sites and the Charles River Campus libraries. The assigned librarian makes periodic trips to military sites to meet with BU faculty and students, as well as the librarians in the local base libraries. Within the professional relationship, the liaison helps students with reference questions by telephone and email and explains how to submit interlibrary loan requests through their base libraries.

The staff at the Science & Engineering Library is prepared to assist with bibliographic searches in the Inspec database, reference questions, and interlibrary loan services.

Boston University graduate students at military sites are entitled to use campus libraries and research facilities in Boston, and the Marine Corps base libraries in North Carolina at Cherry Point and Camp Lejeune. Students also have access to libraries at East Carolina University and the University of North Carolina–Wilmington.

Boston University has arranged with the base libraries for special services to support students in graduate programs, including:

- Subscriptions to major management journals at each library
- An annual acquisition program of management books
- Access to the Boston University Libraries online catalog at each library
- Fax access to the Interlibrary Loan Office at Mugar Memorial Library at each library
- "Computer Select" and "Business Periodicals Ondisc" [ABI/Inform] periodicals database in the Cherry Point Library
- Paper supplies for library printers
- Secure areas in each library with computers reserved for the exclusive use of BU students

CENTER FOR CAREER DEVELOPMENT

The Center for Career Development assists students in obtaining information, clarifying goals, and developing career plans. On-Campus Recruiting offers assistance in the job search when a student has chosen a career direction and is graduating within the academic year. As part of a range of services offered, the CCD's Career Resource Library maintains current job listings and a collection of literature on a wide variety of careers and employers. For further information, please call 617-353-3590 or visit **bu.edu/career**s.

HEALTH CARE SERVICES

Boston University does not provide health care services for students enrolled in programs at military sites. Students are responsible for their own health care needs.

Academic Policies and Financial Information

OFFICIAL REGISTRATION

All students are expected to register during the normal registration period each semester. All students must be registered before the end of the second class meeting each semester. Students applying for loans or who are recipients of financial assistance will have their applications or awards terminated if they are not registered by the official registration deadline. An officially registered student is one who has submitted course selections on a registration form, paid all charges (current and past), and been approved by the University comptroller.

TUITION AND FEES

Tuition and fees must be paid in full at the time of registration. A deferred payment program is available for part-time students (see section on Deferred Payment below). Checks must be made payable to Boston University. No student may withdraw in good standing unless all current obligations to the University are paid.

The Trustees of the University reserve the right to change tuition rates or fees at their discretion. The University maintains a tuition guaranty bond that is registered with the clerks of the Superior Court of Norfolk County, Massachusetts, and is accessible at the Department of Risk Management, Office of Business Affairs, Boston University, 985 Commonwealth Avenue, Boston, MA 02215

Tuition 2016–2017 (09/01/16–08/31/17)*

$2,640 ($660 per credit hour)

- *Tuition for future years is subject to change and is determined by the Boston University Board of Trustees.*
- *The tuition listed above is a reduced rate for the Military Programs and does not apply to the public programs run on BU campuses or online. This special military rate applies to active duty military, their dependents, and DOD employees or contractors.*
- *Graduate courses (600+ level) on campus in Boston are $3,320 ($830 per credit hour).*
- *Online courses (if available) are $3,560 ($830 per credit hour + $240 tech fee).*

Fees

Application fee (paid at time of formal application only)	$85
Student services fee (per semester)	$60
Late registration fee (per semester)	$100
Course waiver (MSCIS prerequisite exam only)	$50
Deferred payment service charge (per semester)	$50
Returned check fee (per check/charge, each time)	$25
Late payment fees (varies progressively according to dates of late payments)	$25–$300

** The cost of assigned books and course materials are additional and are not included in the above costs.*

Graduate Degree Candidates

Graduate degree candidates taking twelve or more credits are charged the full-time tuition rate.

FINANCIAL AID

Students interested in a Stafford Loan (formerly called a Guaranteed Student Loan or a GSL) should contact the local Boston University field office for information and forms. At a minimum, a student must have been admitted into a degree program and be on academic half-time status during the entire loan period to be eligible for a Stafford Loan.

DEFERRED PAYMENT

Part-time Metropolitan College students who wish to make monthly payments may do so through a deferred payment program. Please note that the full tuition amount is used to determine the down payment of 25 percent, and does not reflect Military Tuition Aid or employer reimbursement amounts. Information on this program is available at the administrative offices. A nonrefundable service charge of $50 and a minimum down payment of one-fourth the total tuition and full payment of fees for the semester are required at the time of registration. Boston University also accepts American Express, MasterCard, Discover, or Visa for payment of tuition and fees up to the extent of the unused credit card limit.

LATE REGISTRATION

In special instances, students may petition the Dean of Metropolitan College to have their registrations accepted after the announced registration deadline. Students who seek a waiver of the official registration deadline must petition the University in addition to their petition to the Dean. If the petition for waiver is approved by the University, the student is subject to a minimum late payment fee of $100 for part-time students and $200 for full-time students. Petition forms are available at the Boston University offices.

WITHDRAWALS, CREDITS, REFUNDS

Withdrawal or leave of absence from the program is not official until the student presents the appropriate form to the Boston University office. Absence from class neither constitutes withdrawal nor reduces a student's financial obligation to the University.

WITHDRAWING FROM THE UNIVERSITY

To withdraw from the University or to request a leave of absence, a student must file an official withdrawal form with Boston University.

PROGRAM TERMINATION

Boston University reserves the right to schedule the termination of the program if circumstances require. In the case of program termination, the University will phase out the scheduling of courses in such a way that students have the opportunity to complete degree requirements.

REFUNDS AND CREDITS

The refund and credit balance policy applies to tuition only; fees, unless specified, are not refundable. In the table below, class refers to a weekend meeting*. Also note this policy applies only to courses taken at Hanscom AFB, not to online courses or courses taken at the main Boston University campus.

DATE OF WITHDRAWAL	TUITION REFUND OR CREDIT BALANCE
Before first class	100% of tuition and fees
Before second class	100% of tuition only
Before third class	50% of tuition only
Before fourth class	25% of tuition only
After fourth class	0%

**Weeknight courses at Hanscom follow the University schedule and policies.*

If a student has a credit balance on his or her financial record as a result of dropping a course, a tuition refund will be issued by the Finance office after the drop form has been processed by the Registrar's office. If the withdrawing student used government tuition assistance, an appropriate refund will be made to the government using the above schedule. For students using Veterans Administration or Tuition Assistance benefits, the effective date of the withdrawal and adjusted tuition charge will be reported to the government.

DROPPING A COURSE

To drop a course, it is the responsibility of the student to have the professor teaching the course sign an official drop form. The student must also sign the form and submit it to the Boston University office. After this form is filed, a tuition adjustment is made according to the date verified by the professor's signature. The effective date of the drop is the day after the last class attended. If the student attended no classes, the effective date is the day before the first class. A drop form will not be accepted after the final class meeting.

GRADUATION INFORMATION

BU and other on-base schools combine commencement exercises for their graduates. Those who complete degrees at BU military locations are also welcomed to the graduation events on Boston University's main campus. In the case of the Hanscom AFB program, proximity to Boston is an advantage to graduates who wish to enjoy a variety of recognition events and celebrations on and off the base.

FACULTY

Boston University courses at military locations are taught by full-time and part-time faculty. Faculty with professorial status at Boston University or at other distinguished universities carry the usual academic titles of instructor, assistant professor, associate professor, and professor.

Certain part-time instructors may be awarded an adjunct professorial title on nomination by the Dean of Metropolitan College and approval by the president and the Board of Trustees. Part-time instructors not designated as above hold the title of lecturer.

A list of full-time and part-time faculty members and their credentials can be found at **bu.edu/met/academic-community/faculty.**

Mehdi Abedinejad
PhD, MA, Boston University
MS, BS, Arya–Mehr University of Technology

Wayne Applewhite
DM, Colorado Technical University
MA, Central Michigan University
BS, Troy State University

John Brian Cheuvront
PhD, North Carolina State University
MA, College of William and Mary
BA, Southern California College

Paul Cleary
PhD, MS, BS, Northeastern University

Perry Donham
MS, Boston University
BTEE, State University of New York

Donna Hucul
MBA, BS, Wayne State University

J. Gerard Keegan
MBA, Bentley College
MSCS, Boston University

John A. Kieffer Jr.
MSCIS, Boston University
MS, United States Naval Post Graduate School
BS, United States Naval Academy

Charles J. Lesko
DEd, Walden University
MSCIS, Boston University
MS, National University
BS, United States Naval Academy

John Maslanka
MA, PhD, Boston College
BS, Massachusetts Institute of Technology

Hassan Y. Mohammed
PhD, MA, Boston University
PhD, MA, Charles University

Richard Parrott
PhD, Nova Southeastern University
MS, Boston University
BA, San Diego State University

Vijaykumar Rachamadugu
MS, BS, Indian Institute of Technology, New Delhi
MBA, Virginia Polytechnic Institute and State University

Jeff R. Siegel
MBA, MS, BS, Northeastern University

Dan Simovici
PhD, University of Bucharest
MS, Polytechnical Institute of Iasi

Donald Turner
PhD, Northcentral University
MBA, Berry College
BS, Western Carolina University

Lawrence J. Watson
MSA, MSF, Bentley College
BS, Merrimack College

METROPOLITAN COLLEGE ADMINISTRATION

Tanya Zlateva, PhD, MS, BS
Dean, Metropolitan College & Extended Education

Lou Chitkushev, PhD, MS, BS
Associate Dean, Academic Affairs

Carl G. Sessa, EdD, EdM, BA
Associate Dean, Enrollment & Student Affairs

Kimberly Kuborn, EdD, MLA, BA
Assistant Dean, Administration

Donna Shea, PhD, MA, BA
Assistant Dean, Summer Term

Lawrence J. Watson, MSA, MSF, BS
Director, Metropolitan College Graduate Military Programs

J. Gerard Keegan, MBA, MSCS, BA, PMP
Director, Metropolitan College Programs at Hanscom Air Force Base

BOSTON UNIVERSITY ADMINISTRATION

Robert A. Brown, BS, MS, PhD
President

Jean Morrison, BA, MS, PhD
University Provost

Karen H. Antman, BS, MD
Provost of the Medical Campus

Robert A. Knox, BA, MBA
Chairman of the Board of Trustee

For a complete list of the Administration of Boston University, please visit **bu.edu/info/about/admin**.

GOVERNANCE OF THE COLLEGE:

Metropolitan College is governed by various faculty committees whose members are drawn from the faculty and the administrative offices of Metropolitan College. The Faculty Council, the main governing body of the College, is assisted in policy-making by the College's Executive, Academic Policy, and Graduate Committees.

Photos courtesy of BU Photography, shutterstock.com, and the BU community.

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