Executive Masters Programs

Executive Master in Cybersecurity

The Brown University Executive Master in Cybersecurity (EMCS) is a 16-month program for professionals designed to cultivate high-demand, cross-industry executives with the unique and critical ability to devise and execute integrated, comprehensive cybersecurity strategies for nations and industries across the globe.

EMCS forges visionary leaders ready to deploy successful strategies for cybersecurity that address:

- Technologies such as big data, cloud, mobile, Web 2.0, Internet of Things
- Social trends including social networks, globalized workforce
- Human factors
- Economic tradeoffs and risk management
- Policy and privacy
- Effective leadership

For further information including admission criteria and tuition and fees please visit: http://www.brown.edu/academics/professional/cybersecurity/

Executive Master of Healthcare Leadership

The Brown University Executive Master of Healthcare Leadership prepares visionary leaders to transform healthcare. This 16-month intensive degree program is designed for clinicians, executives, and senior administrators who have significant responsibility in the healthcare industry; including those from health care delivery, public health, drug and product manufacturing, health care consulting, health management systems, insurance, patient advocacy, and from legal, policy and regulatory settings.

It is a blend of on-campus and online learning that allows participants to work full time while pursuing an advanced degree. The faculty and participants in the program have a depth of experience in the healthcare industry and are fully engaged in addressing the gaps and constraints of the current system. The course of study is tailored to this industry and leadership development is purposefully considered in the healthcare context.

Course of Study

- Creating the Learning Healthcare Organization
- Data-Driven Decision Making: The structure, conduct, review, and evaluation of research
- Financial Decisions in the Changing Healthcare Landscape
- Healthcare Policy: Yesterday, today, and tomorrow
- Information-empowered Patient Care: Electronic health records, health information technology, and medical information systems
- Management and Marketing Skills for Transforming Healthcare
- Navigating the Regulatory Maze
- Strategic Planning and Value Creation in Integrated Healthcare
- The Critical Challenge

For further information including admission criteria and tuition and fees please visit: http://www.brown.edu/academics/professional/healthcare-leadership/

EXECUTIVE MASTER IN SCIENCE AND TECHNOLOGY LEADERSHIP

The Brown Executive Master in Science and Technology Leadership transforms engineering, science, and technology professionals into leaders prepared to drive innovation in today’s complex, rapidly evolving, global markets. This 16-month program of online and residential learning is for experienced professionals who are ready to go beyond their technical expertise, broaden their impact, and achieve greater success. Through coursework and teamwork, students develop their capacity for:

- Strategic thinking to anticipate and adapt to changing market needs, technological advances, and increased global competition
- Global orientation to identify sources of innovation in different corporate and national settings, and to create products with global value
- Innovation to develop technologies that shape the future and change the world
- Effective communication to lead diverse, cross-functional teams and to influence stakeholders
- Effective leadership to inspire continued growth based on enhanced self-awareness and new skills

For further information including admission criteria and tuition and fees please visit: http://www.brown.edu/academics/professional/emstl/

Courses


In this course, participants explore the meaning of value creation in healthcare organizations—how it relates to high performance, how it varies and is measured in different healthcare segments, and how it is embodied in the structure and performance of their own organizations. A holistic High Performance Model of enterprise value creation is presented, including strategic planning, process improvement, and resource and organizational alignment. The model is discussed from the perspectives of a variety of healthcare organizations—with the goal of applying the model to create value for the participants’ own organizations.


In this course, students appraise past and current political, legal, technological, and economic U.S. healthcare policy developments. Students critically examine the implementation of alternative methods of health services delivery and financing within multiple global healthcare systems. Participants question assumptions, think creatively, and consider integrated patient care solutions to prepare for change and new paradigms within the global healthcare sector.


In this course, students develop the management, marketing, and leadership skills needed to guide organizational change and refine their personal leadership style to lead in today’s rapidly-changing health care landscape. Particular focus is placed on negotiation, conflict management, collaboration, and team building skills. Participants create a robust plan for their continuous development as a leader. Students also learn how to harness the power of social media to develop their brand and their organization’s influence in the marketplace.


This course will provide an overview of the methods and applications of therapy economics, biostatistics and epidemiology in healthcare sector decision-making. Specific topics include: the application of pharmacy economics and economic evaluation to treatments, pharmacoeconomics and technology assessment; the assessment and interpretation of published epidemiological studies: institutional oversight of epidemiological research programs; the four key steps of statistical analysis (identification of scientific programs or programs of interest, collection of the required data, analysis and summary of data, and generation of a conclusion).

EMHL 2040. Navigating the Regulatory Maze.

This course explores the culture of decision making as well as the structure and role of key US and international regulatory bodies. Students explore how health care is regulated with an eye towards understanding how existing regulations improve quality, enhance access, and control cost. The topics of risk management, public health, and product/drug regulation are emphasized.

Fall EMHL2040 S01 10003 Arranged (D. Dosa)
This course will provide an overview of the major aspects of information technology (IT) as they relate to both the causes of and the solutions to current problems in healthcare. Issues of standardization, integration, communication and patient engagement will be stressed, and the types of strategic planning for and governance of information systems will be explored. During the course students will be presented with real problems in the field of HIT and explore possible solutions.

<table>
<thead>
<tr>
<th>Fall EMHL2050</th>
<th>S01 10001</th>
<th>Arranged</th>
<th>(M. Schneider)</th>
</tr>
</thead>
</table>

In this course, students explore the quality improvement drivers, principles, systems, and tools that help create a healthcare learning organization. Students discover how quality improvement creates value, how to demonstrate the value of quality improvement to their colleagues, and how to ultimately develop a culture of learning within their organization. Students compare the learning needs of healthcare organizations to those in other industries. Students design and implement a quality improvement project within their own organization, and develop a "learning organization roadmap" for their organization.

<table>
<thead>
<tr>
<th>Fall EMHL2060</th>
<th>S01 10002</th>
<th>Arranged</th>
<th>(R. Peto)</th>
</tr>
</thead>
</table>

This course focuses on the area of financial management as applied to international health organizations. The course emphasizes the application of principles and concepts of international health financial management to global health providers that represent innovative new structures and organizations, such as Accountable Care Organizations (ACOs) that offer integrated patient care. Students will gain competencies in the application of financial analysis tools and techniques internationally and in the interpretation of data for sound decision-making through case assignments and a class project to analyze the financial results of high performing healthcare organizations serving global markets.

EMHL 2080. The Critical Challenge: Capstone Project.
In this project, supervised by Executive Master of Healthcare Leadership (EMHL) faculty, students identify a critical challenge within healthcare and then work collaboratively to integrate knowledge from various perspectives and healthcare sectors and to apply relevant skills to develop possible solutions to their challenge. Students draw upon knowledge and skills from coursework with particular emphasis on collaborating across healthcare sectors, considering ethical implications, communicating effectively and developing creative and viable solutions. Upon completion of this project, students will be able to successfully integrate knowledge of healthcare policy, strategic planning, regulation, management, marketing, healthcare research, quality improvement, finance and information technology to address a critical challenge within healthcare. Project outcomes should prove applicable to professional practice. This course spans two semesters.
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Helvetica was used instead of Arial.

The editor may contact Leepfrog for a draft with the correct fonts in place.