

University of Massachusetts Boston

## ScholarWorks at UMass Boston

---

Office of Community Partnerships Posters

Office of Community Partnerships

---

4-10-2013

## The UMass Boston Bachelors of Science in Information Technology

Deborah Boisvert

*University of Massachusetts Boston, [deborah.boisvert@umb.edu](mailto:deborah.boisvert@umb.edu)*

Ricardo Checchi

*University of Massachusetts Boston, [ricardo.checchi@umb.edu](mailto:ricardo.checchi@umb.edu)*

William Campbell

*University of Massachusetts Boston, [william.campbell@umb.edu](mailto:william.campbell@umb.edu)*

Jean-Pierre Kuilboer

*University of Massachusetts Boston, [jeanpierre.kuilboer@umb.edu](mailto:jeanpierre.kuilboer@umb.edu)*

Roger Blake

*University of Massachusetts Boston, [roger.blake@umb.edu](mailto:roger.blake@umb.edu)*

*See next page for additional authors*

Follow this and additional works at: [https://scholarworks.umb.edu/ocp\\_posters](https://scholarworks.umb.edu/ocp_posters)



Part of the [Civic and Community Engagement Commons](#), [Higher Education and Teaching Commons](#), and the [Science and Technology Studies Commons](#)

---

### Recommended Citation

Boisvert, Deborah; Checchi, Ricardo; Campbell, William; Kuilboer, Jean-Pierre; Blake, Roger; Cohen, Robert; and Gutierrez, Oscar, "The UMass Boston Bachelors of Science in Information Technology" (2013). *Office of Community Partnerships Posters*. 88.

[https://scholarworks.umb.edu/ocp\\_posters/88](https://scholarworks.umb.edu/ocp_posters/88)

This Presentation is brought to you for free and open access by the Office of Community Partnerships at ScholarWorks at UMass Boston. It has been accepted for inclusion in Office of Community Partnerships Posters by an authorized administrator of ScholarWorks at UMass Boston. For more information, please contact [scholarworks@umb.edu](mailto:scholarworks@umb.edu).

---

## Authors

Deborah Boisvert, Ricardo Checchi, William Campbell, Jean-Pierre Kuilboer, Roger Blake, Robert Cohen, and Oscar Gutierrez



## Summary/Abstract

**Program Includes a Common Core of Ten Courses:**  
(mirroring the core of most community college IT programs)

- ## Results/Impacts

## Conclusion/Next Steps

## Goals and Objectives

The curriculum map for the Information Technology degree program is organized into four main horizontal tracks: Core Courses, Track Courses, Capstone courses, and Elective courses.

**Core Courses:**

- IT 110: Problem Solving
- IT 111: Statistics
- IT 114: JAVA I
- IT 115: JAVA II
- IT 240: WEB FLUENCY
- IT 230: DATABASES
- IT 246: NETWORKING
- IT 244: LINUX
- IT 285: SEMINAR

**Track Courses - Choose One:**

- Information Architecture:** IT 360 (Enterprise Systems), IT 460 (Systems Integration), IT 428 (Information Security), IT 461 (Systems Analysis).
- Business Intelligence:** IT 370 (BI Applications), IT 471 (DWH for BI), IT 472 (Data Mining for Mgt. Apps), IT 420 (Netw. & Mob. Dev. Forensics), IT 421 (Malware Analysis), IT 422 (Computer Forensics II), IT 423 (Crim. Justice).
- Computer Forensics:** IT 220 (Computer Forensics I), IT 420 (Netw. & Mob. Dev. Forensics), IT 421 (Malware Analysis), IT 422 (Computer Forensics II), IT 423 (Crim. Justice).
- System Administration:** IT 341 (Intro. to Sys. Admin.), IT 442 (Windows Sys. Admin.), IT 441 (Network Svcs. Admin.), IT 443 (Network Security Admin.).

**Capstone courses:**

- IT 425: Project Management
- IT 485: IT Capstone

**Elective courses:**

- IT 472: Data Mining for Mgt. Apps
- IT 420: Netw. & Mob. Dev. Forensics
- IT 421: Malware Analysis
- IT 422: Computer Forensics II
- IT 423: Crim. Justice
- IT 424: BI Elective
- IT 425: BI Elective
- IT 426: Crim. Justice
- IT 427: Crim. Justice
- IT 428: Crim. Justice
- IT 429: Crim. Justice
- IT 430: Crim. Justice
- IT 431: Crim. Justice
- IT 432: Crim. Justice
- IT 433: Crim. Justice
- IT 434: Crim. Justice
- IT 435: Crim. Justice
- IT 436: Crim. Justice
- IT 437: Crim. Justice
- IT 438: Crim. Justice
- IT 439: Crim. Justice
- IT 440: Crim. Justice
- IT 441: Crim. Justice
- IT 442: Crim. Justice
- IT 443: Crim. Justice
- IT 444: Crim. Justice
- IT 445: Crim. Justice
- IT 446: Crim. Justice
- IT 447: Crim. Justice
- IT 448: Crim. Justice
- IT 449: Crim. Justice
- IT 450: Crim. Justice
- IT 451: Crim. Justice
- IT 452: Crim. Justice
- IT 453: Crim. Justice
- IT 454: Crim. Justice
- IT 455: Crim. Justice
- IT 456: Crim. Justice
- IT 457: Crim. Justice
- IT 458: Crim. Justice
- IT 459: Crim. Justice
- IT 460: Crim. Justice
- IT 461: Crim. Justice
- IT 462: Crim. Justice
- IT 463: Crim. Justice
- IT 464: Crim. Justice
- IT 465: Crim. Justice
- IT 466: Crim. Justice
- IT 467: Crim. Justice
- IT 468: Crim. Justice
- IT 469: Crim. Justice
- IT 470: Crim. Justice
- IT 471: Crim. Justice
- IT 472: Crim. Justice
- IT 473: Crim. Justice
- IT 474: Crim. Justice
- IT 475: Crim. Justice
- IT 476: Crim. Justice
- IT 477: Crim. Justice
- IT 478: Crim. Justice
- IT 479: Crim. Justice
- IT 480: Crim. Justice
- IT 481: Crim. Justice
- IT 482: Crim. Justice
- IT 483: Crim. Justice
- IT 484: Crim. Justice
- IT 485: Crim. Justice
- IT 486: Crim. Justice
- IT 487: Crim. Justice
- IT 488: Crim. Justice
- IT 489: Crim. Justice
- IT 490: Crim. Justice
- IT 491: Crim. Justice
- IT 492: Crim. Justice
- IT 493: Crim. Justice
- IT 494: Crim. Justice
- IT 495: Crim. Justice
- IT 496: Crim. Justice
- IT 497: Crim. Justice
- IT 498: Crim. Justice
- IT 499: Crim. Justice

*Flow Chart of Bachelors of Science in Information Technology Curriculum*

## Approach: Course Equivalencies

## Additional Partners



**Community College Partners:**

Paula Velluto, Bunker Hill Community College;  
Chiso Okafor, Roxbury Community College;  
Priscilla Grocer, Bristol Community College;  
Susanne Steiger-Escobar, Mass Bay Community  
College;  
Barry Werner, Middlesex Community College  
(retired)

### Business and Industry Focus Groups:

Raytheon, Staples, Microsoft, IBM, Oracle, Blue Cross Blue Shield, Molecular, Partners Healthcare, Mass Technology Leadership Council