

**Biomedical Informatics Graduate Program
Course Schedule - Academic Year 2024-2025**

Schedule Subject to Change

| Yr | Qtr | Course # | Course Title | Instructor | Credits | Day | Please Note |
|----|--------|-------------|---|---------------------------|---------|---|---|
| 24 | Summer | BMI 510/610 | Intro to Biomedical Informatics | W. Hersh | 3.0 | Online | Required course for certificate |
| | | BMI 519/619 | Business of Healthcare Informatics | V. Mohan | 3.0 | Online | |
| | | BMI 523/623 | Clinical Research Informatics | N. Weiskopf | 3.0 | Online with required synchronous sessions each Monday | Synchronous online discussion via Sakai each Monday 5:00-6:30 PST. Attendance is required. |
| | | BSTA 524 | Introduction to Biostatistics | | 4.0 | Online | Summer term starts |
| 24 | Fall | BMI 510/610 | Introduction to Biomedical Informatics | W. Hersh | 3.0 | Online | Required course for certificate |
| | | BMI 517/617 | Organizational Behavior | C. Hoekstra | 3.0 | Online | Required course for certificate |
| | | BMI 530/630 | The Practice of Health Care | C. McDougall | 3.0 | Online | |
| | | BMI 540/640 | Computer Science and Programming for Clinical Informatics | L. Walker | 3.0 | Online | Prereq: Introductory computer programming class in Python, Java, C or C++. Signature required. |
| | | BMI 570/670 | Scientific Writing and Communication for Informatics Students | K. Eden | 3.0 | Online | Limited to 20 students. Instructor signature required. Priority in registration given to master's and PhD students. |
| 25 | Winter | BMI 510/610 | Introduction to Biomedical Informatics | W. Hersh | 3.0 | Online | Required course for certificate |
| | | BMI 516/616 | Standards for Interoperability | B. Orwoll | 3.0 | Online | Prereq: BMI 510 |
| | | BMI 518/618 | Project Management | J. McCormack | 3.0 | Online | |
| | | BMI 527/627 | Applied Data Science, Machine Learning, and Artificial Intelligence | B. Hersh S. Chamberlin | 3.0 | Online | Prereq: BMI 540 or consent of instructor. |
| | | BMI 544/644 | Databases | M. Lieberman | 3.0 | Online | Prereq: None but BMI 540 or 565 recommended |
| | | BMI 560/660 | Design and Evaluation in Health Informatics | V. Mohan | 3.0 | Online | Prereq: BSTA 525 or BSTA 511, OR consent of instructor |
| 25 | Spring | BMI 510/610 | Introduction to Biomedical Informatics | W. Hersh | 3.0 | Online | Required course for certificate |
| | | BMI 512/612 | Clinical Information Systems | V. Mohan | 3.0 | Online | Required course for certificate Prereq: BMI 510 |
| | | BMI 524/624 | Analytics for Healthcare | A. Pandit/T. Edinger | 3.0 | Online | |

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| BMI 525/625 | Principles and Practice of Data Visualization | S. Bedrick | 3.0 | Online | |
| BMI 537/637 | Healthcare Quality | M. Lieberman | 3.0 | Online | |
| BMI 546/646 | Software Engineering | A. Cohen | 3.0 | Online | Prereq: BMI 540 or BMI 565 |
| BMI 576/676 | Managing Ethics in Biomedical Informatics | J. Valerius | 3.0 | Online | |