

Table 2 – Domains and courses in OHSU informatics graduate program medical informatics track (credit-hours in parentheses). OHSU is on an academic quarter system, so a three credit-hour course will have the equivalent of three contact hours over an 11-12 week quarter.

BIOMEDICAL INFORMATICS

- BMI 510 - Introduction to Biomedical Informatics (3)
- BMI 512 - Clinical Information Systems (3)
- BMI 514 - Information Retrieval (3)
- BMI 520 - Consumer Health Informatics (3)
- BMI 521 - Public Health Informatics (3)

HEALTHCARE

- BMI 530 - Practice of Health Care (3)
- BMI 536 - Evidence-based Medicine (3)
- BMI 537 - Healthcare Quality (3)
- BMI 538 - Medical Decision Making (3)

COMPUTER SCIENCE

- BMI 540 - Computer Science & Java Programming (3)
- BMI 542 - Computer Networks (3)
- BMI 544 - Databases (3)
- BMI 546 - Software Engineering (3)
- BMI 548 - Human-Computer Interaction in Biomedicine (3)

EVALUATIVE SCIENCES

- PHPM 524 - Introduction to Biostatistics (4)
- BMI 560 - Design & Evaluation in Health Informatics (3)
- BMI 561 - Qualitative Research Methods (3)
- BMI 562 - Quantitative Research Methods (3)

ORGANIZATIONAL BEHAVIOR & MANAGEMENT

- BMI 517 - Organizational Behavior and Management (3)

- BMI 518 - Project Management (3)
- BMI 519 - The Business of Healthcare Informatics (3)

CAPSTONE/THESIS PREP

- BMI 515 - Ethical, Legal & Social Issues (2-3)
- BMI 570 - Scientific Writing and Communication for Informatics Students (2)

HEALTH INFORMATION MANAGEMENT

- BMI 582 - Health Care Data Management (2)
- BMI 583 - IT in Health Information Practice (2)
- BMI 584 - Clinical Classification Systems & Applied Reimbursement Methodologies (2)
- BMI 585 - Applied Management in Health Information Practice (2)
- BMI 586 - Applied Legal and Ethical Issues in Health Information Practice (2)
- BMI 587 - Research, Statistics, and Quality Applied to Health Information Practice (2)

GRADUATION REQUIREMENTS

- BMI 581 - Capstone Project (1-6)
- BMI 503 – Thesis (12)

INDIVIDUAL EXPERIENCES

- BMI 501 - Research
- BMI 502 - Independent Study
- BMI 504 - Internship
- BMI 505 - Reading & Conference
- BMI 507 - Seminar
- BMI 509 - Practicum

Our two master's degree programs differ only in their culminating project. The Master of Science (MS) requires a 12-credit research thesis, while the Master of Biomedical Informatics (MBI) is a "professional master's" and requires a 6-credit capstone project. The remaining 48 hours of both curricula from the courses in Table 2, with the specific requirements shown in Table 3. Both programs are available on-campus or via distance learning, with on-line master's students required to take two or more one-week "short" courses on the OHSU campus.

Table 3 – Curricula for OHSU master's degree programs. Required, individual competency, and elective courses in each domain are shown.

Domain	Required courses	Individual competency courses	Electives
Biomedical Informatics (6)	BMI 510	Choose 1: BMI 512, BMI 514, BMI 520, BMI 521	(Other individual competency courses in domain)
Healthcare (6)	BMI 530	Choose 1: BMI 536, BMI 537, BMI 538	(Other individual competency courses in domain)
Computer Science (9)	BMI 540, BMI 544	Choose 1: BMI 542, BMI 544, BMI 546, BMI 548	(Other individual competency courses in domain)
Evaluative Sciences (7)	PHPM 524, BMI 560		BMI 561, BMI 562
Organizational and Behavioral Sciences (6)	BMI 517, BMI 518		BMI 519
Capstone/Thesis Prep (4)	BMI 515, BMI 570		
Graduation Requirements (6 for MBI; 12 for MS)	BMI 503 (thesis) or BMI 581 (capstone)		
Additional Electives - BMI 501, BMI 502, BMI 504, BMI 505, BMI 507, BMI 509, BMI 582, BMI 583, BMI 584, BMI 585, BMI 586, and BMI 587			