Information sheet for Master’s program – OHSU

Program Chair: William Hersh, MD

Application deadline: February 15 of year starting fellowship

Application Information URL: <http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/application-instructions.cfm>

Application URL: <https://sisweb.ohsu.edu/SISPRD/bwskalog.P_DispLoginNon>

Admission requirements: GRE/MSAT not required for those with prior doctoral degree; apply via web site above; MAMC/Service GME will manage tuition costs

Curriculum: <http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/educational-programs/dmice-programs/masters.cfm#prereq>

**Clinical Informatics**

Biomedical Informatics  
*Required course*  
[BMI 510 – Introduction to Biomedical Informatics](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#510610)    
Individual Competency courses  
[BMI 512 – Clinical Systems Information](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#512612)  
[BMI 514 – Information Retrieval](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/educational-programs/dmice-programs/V/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#514614)  
[BMI 520 – Consumer Health Informatics](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#520620)  
[BMI 521 – Public Health Informatics](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#521621)

Healthcare  
*Required course*  
[BMI 530 – Practice of Health Care](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#530630)  
Individual Competency courses  
[BMI 536 – Evidence-based Medicine](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#536636)  
[BMI 537 – Healthcare Quality](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#537637)  
[BMI 538 – Medical Decision Making](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#538638)

Computer Science  
*Required courses*  
[BMI 540 – Computer Science and Java Programming](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#540640)  
[BMI 544 – Databases](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#544644)

Individual Competency courses  
[BMI 542 – Computer Networks](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#542642)  
[BMI 546 – Software Engineering](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#546646)  
[BMI 548 – Human Computer Interaction in Biomedicine](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#537637)

Evaluative Sciences   
*Required courses*   
[PHPM 524 – Introduction to Biostatistics](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/courses-outside-of-dmice.cfm#phpm524)   
[BMI 560 – Design and Evaluation in Health Informatics](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#560660)   
*Elective courses*   
[BMI 561 – Qualitative Research Methods](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#561661)

Organizational Behavior and Management  
*Required courses*  
[BMI 517 – Organizational Behavior and Management](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#517617)  
[BMI 518 – Project Management](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#518618)  
*Elective Course*  
[BMI 519 – The business of Health Care Informatics](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/class-information/course-descriptions.cfm#519619)

Hybrid Courses

For those who study off-campus, there is a 6-credit (2-course) on-campus requirement. Once or twice a year, several hybrid courses [(see hybrid schedule)](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/educational-programs/dmice-programs/upload/Hybrid2011.doc) are offered on the OHSU campuses, allowing you to meet and work closely with faculty and with other students. Each course spans several weeks and the on-campus portion lasts 3-5 days, depending on the course. **These courses require pre- and post-campus work such as reading of the text(s) and weekly assignments.** Details are included in course syllabi. Most of the courses are scheduled back-to-back in September so that students may satisfy the 2-course requirement in one trip to Portland.

Timeline:  
2 years from start to completion of all courses and project

Project:  
 **Capstone Project**- BMI 581  
**Instructor**: TBD  
**Credits**: 6.0  
**Content**: A two to three-term capstone project in biomedical informatics is a non-independent project that will be performed under the close supervision of the capstone advisor. Project possibilities include, but are not limited to: developing a project that fits into a larger framework, systematic review, piece of an ongoing research project, substantial background literature review, assisting in grant writing, curriculum revision, or project with an IT organization, such as ITG. For more information, see the [Capstone Project Requirements](http://www.ohsu.edu/xd/education/schools/school-of-medicine/departments/clinical-departments/dmice/students/upload/MBI-Capstone-RequirementsFA09-doc.doc).  
**Prerequisite**: BMI 570, Consent of instructor, Advisor Assignment Form, proposal outline.  
**Note**: your applied clinical informatics research project for the fellowship should also count for your Master’s project, but you will still have to reconcile that with your Advisor

### Points of Contact: Physical address

Oregon Health & Science University, Central Campus  
5th Floor, Biomedical Information Communication Center (BICC)  
3181 S.W. Sam Jackson Park Rd.  
Portland, OR 97239-3098  
[ [Directions & Maps](http://www.ohsu.edu/about/directions.shtml) ]

Mailing address

Oregon Health & Science University  
Mail Code: BICC  
3181 S.W. Sam Jackson Park Rd.  
Portland, OR 97239-3098

Telephone/Fax

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| 503.494.4502 | General phone |
| 503.494.2547 | Educational programs |
| 503.346.6815 | Fax |