Program		Code	Description
Biomedical Informatics w/focus in Bioinformatics & Computational Biology, MS	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	11	Apply bioinformatics methods and tools related to genomics, proteomics, biology, and physiology in an academic
	Primary OHSU Core Competency	11.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	11.2.1	
	Other OHSU Core Competencies	11.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	12	Exhibit knowledge in the underlying biological phenomena related to bioinformatics and computational biology.
	Primary OHSU Core Competency	12.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	12.2.1	
	Other OHSU Core Competencies	12.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	13	Evaluate statistical analyses which can be used to solve bioinformatics and computational biology problems.
	Primary OHSU Core Competency	13.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	13.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	13.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	14	Adhere to the professional and legal conduct standards of the field of bioinformatics and computational biology.
	Primary OHSU Core Competency	14.2	Professionalism And Ethics
	Secondary OHSU Core Competency	14.2.1	
	Other OHSU Core Competencies	14.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	15	Produce solutions that address academic or industrial needs using bioinformatics and computational biology tool
	Primary OHSU Core Competency	15.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	15.2.1	Systems
	Other OHSU Core Competencies	15.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	16	Demonstrate scholarly oral and written presentations.
	Primary OHSU Core Competency	16.2	Communication
	Secondary OHSU Core Competency	16.2.1	Professional Knowledge And Skills
	Other OHSU Core Competencies	16.2.2	
Biomedical Informatics w/focus in Bioinformatics & Computational Biology, PhD	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	11	Demonstrate a basic knowledge of central concepts in the relevant scientific field.
	Primary OHSU Core Competency	11.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	11.2.1	
	Other OHSU Core Competencies	11.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	12	Demonstrate advanced knowledge in one specialized area.
	Primary OHSU Core Competency	12.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	12.2.1	
	Other OHSU Core Competencies	12.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	13	Evaluate statistical analyses which can be used to solve bioinformatics and computational biology problems.
	Primary OHSU Core Competency	13.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	13.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	13.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	14	Formulate hypothesis based on current concepts in the field.
	Primary OHSU Core Competency	14.2	Professionalism And Ethics
	Secondary OHSU Core Competency	14.2.1	
	Other OHSU Core Competencies	14.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	15	Design, conduct, and interpret his/her own research.
	Primary OHSU Core Competency	15.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	15.2.1	Systems
	Other OHSU Core Competencies	15.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	16	Demonstrate doctoral-level competence in written and verbal communication.
	Primary OHSU Core Competency	16.2	Communication
	Secondary OHSU Core Competency	16.2.1	Professional Knowledge And Skills
	Other OHSU Core Competencies	16.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	17	Interpret and critique scientific literature.
	Primary OHSU Core Competency	17.2	Reasoning And Judgment
	Secondary OHSU Core Competency	17.2.1	Evidence-Based Practice And Research
	Other OHSU Core Competencies	17.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	18	Apply fundamental knowledge of ethics in research.
	Primary OHSU Core Competency	18.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	18.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	18.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	19	Develop ancillary skills, where necessary, for career development.
	Primary OHSU Core Competency	19.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	19.2.1	Lifelong Learning
	Other OHSU Core Competencies	19.2.2	
Biomedical Informatics w/focus in Clinical Informatics (Clinical), Certificate	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	11	Apply selected informatics methods and tools related to personal health, health care, public health, and biomed
	Primary OHSU Core Competency	11.2	Evidence-Based Practice And Research
	Secondary OHSU Core Competency	11.2.1	Evidence-Based Practice And Research
	Other OHSU Core Competencies	11.2.2	Reasoning And Judgment
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	12	Exhibit knowledge in the underlying health domains that are related to the field of clinical informatics.
	Primary OHSU Core Competency	12.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	12.2.1	Systems
	Other OHSU Core Competencies	12.2.2	Evidence-Based Practice And Research
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	13	Identify differences in organizations and personal behaviors that affect the diffusion of informatics technology.
	Primary OHSU Core Competency	13.2	Systems
	Secondary OHSU Core Competency	13.2.1	Interprofessional Teamwork
	Other OHSU Core Competencies	13.2.2	Reasoning And Judgment
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	14	Adhere to the educational standards for students in the field of clinical informatics.
	Primary OHSU Core Competency	14.2	Professionalism And Ethics
	Secondary OHSU Core Competency	14.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	14.2.2	Lifelong Learning
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	15	Display effective teamwork and written presentation skills.
	Primary OHSU Core Competency	15.2	Interprofessional Teamwork
	Secondary OHSU Core Competency	15.2.1	Communication
	Other OHSU Core Competencies	15.2.2	Professionalism And Ethics
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	16	Display familiarity with the use of information technology tools.
	Primary OHSU Core Competency	16.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	16.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	16.2.2	Systems
Biomedical Informatics w/focus in Clinical Informatics (Clinical), MBI	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	11	Apply informatics theories, methods and tools related to personal health, health care, public health, and biomed
	Primary OHSU Core Competency	11.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	11.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	11.2.2	Evidence-Based Practice And Research

	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	12	Exhibit knowledge in the underlying biological and health domains that are related to the field of clinical informa
	Primary OHSU Core Competency	12.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	12.2.1	Lifelong Learning
	Other OHSU Core Competencies	12.2.2	Teamwork
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	13	Identify differences in organizations and personal behaviors that affect the diffusion of informatics technology.
	Primary OHSU Core Competency	13.2	Systems
	Secondary OHSU Core Competency	13.2.1	Lifelong Learning
	Other OHSU Core Competencies	13.2.2	Reasoning And Judgment
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	14	Adhere to the professional and legal conduct standards of the field of clinical informatics.
	Primary OHSU Core Competency	14.2	Professionalism And Ethics
	Secondary OHSU Core Competency	14.2.1	Lifelong Learning
	Other OHSU Core Competencies	14.2.2	Safety And Quality Improvement
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	15	Display effective oral and written presentation skills.
	Primary OHSU Core Competency	15.2	Communication
	Secondary OHSU Core Competency	15.2.1	
	Other OHSU Core Competencies	15.2.2	
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	16	Show competence in use of information technology tools.
	Primary OHSU Core Competency	16.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	16.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	16.2.2	Lifelong Learning
Biomedical Informatics w/focus in Clinical Informatics (Research), MS	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	11	Apply informatics theories, methods and tools related to personal health, health care, public health, and biomed
	Primary OHSU Core Competency	11.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	11.2.1	Evidence-Based Practice And Research
	Other OHSU Core Competencies	11.2.2	Reasoning And Judgment
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	12	Exhibit knowledge in the underlying biological and health domains that are related to the field of clinical informa
	Primary OHSU Core Competency	12.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	12.2.1	Systems
	Other OHSU Core Competencies	12.2.2	Evidence-Based Practice And Research
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	13	Evaluate informatics tools and techniques for solving specific biomedical and health problems.
	Primary OHSU Core Competency	13.2	Evidence-Based Practice And Research
	Secondary OHSU Core Competency	13.2.1	Professional Knowledge And Skills
	Other OHSU Core Competencies	13.2.2	Systems
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	14	Adhere to the professional and legal conduct standards of the field of clinical informatics.
	Primary OHSU Core Competency	14.2	Professionalism And Ethics
	Secondary OHSU Core Competency	14.2.1	Professional Knowledge And Skills
	Other OHSU Core Competencies	14.2.2	Reasoning And Judgment
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	15	Produce solutions that address academic or industrial needs using informatics tools and knowledge.
	Primary OHSU Core Competency	15.2	Safety And Quality Improvement
	Secondary OHSU Core Competency	15.2.1	Systems
	Other OHSU Core Competencies	15.2.2	Professional Knowledge And Skills
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	16	Demonstrate scholarly oral and written presentations.
	Primary OHSU Core Competency	16.2	Communication
	Secondary OHSU Core Competency	16.2.1	Evidence-Based Practice And Research
	Other OHSU Core Competencies	16.2.2	Professionalism And Ethics
Biomedical Informatics w/focus in Clinical Informatics (Research), PhD	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	11	Demonstrate a basic knowledge of central concepts in the relevant scientific field.
	Primary OHSU Core Competency	11.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	11.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	11.2.2	Systems
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	12	Demonstrate advanced knowledge in one specialized area.
	Primary OHSU Core Competency	12.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	12.2.1	Evidence-Based Practice And Research
	Other OHSU Core Competencies	12.2.2	Lifelong Learning
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	13	Advance knowledge in selected area of concentration.
	Primary OHSU Core Competency	13.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	13.2.1	Evidence-Based Practice And Research
	Other OHSU Core Competencies	13.2.2	Lifelong Learning
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	14	Formulate hypotheses based on current concepts in the field.
	Primary OHSU Core Competency	14.2	Evidence-Based Practice And Research
	Secondary OHSU Core Competency	14.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	14.2.2	Systems
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	15	Design, conduct, and interpret his/her own research.
	Primary OHSU Core Competency	15.2	Evidence-Based Practice And Research
	Secondary OHSU Core Competency	15.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	15.2.2	Systems
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	16	Demonstrate doctoral-level competence in written and verbal communication.
	Primary OHSU Core Competency	16.2	Communication
	Secondary OHSU Core Competency	16.2.1	Interprofessional Teamwork
	Other OHSU Core Competencies	16.2.2	Professionalism And Ethics
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	17	Interpret and critique scientific literature.
	Primary OHSU Core Competency	17.2	Reasoning And Judgment
	Secondary OHSU Core Competency	17.2.1	Professional Knowledge And Skills
	Other OHSU Core Competencies	17.2.2	Lifelong Learning
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	18	Apply fundamental knowledge of ethics in research;.
	Primary OHSU Core Competency	18.2	Professionalism And Ethics
	Secondary OHSU Core Competency	18.2.1	Safety And Quality Improvement
	Other OHSU Core Competencies	18.2.2	Reasoning And Judgment
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	19	Develop ancillary skills, where necessary, for career development.
	Primary OHSU Core Competency	19.2	Interprofessional Teamwork
	Secondary OHSU Core Competency	19.2.1	Communication
	Other OHSU Core Competencies	19.2.2	Professionalism And Ethics
Biomedical Informatics w/focus in Health Information Mgmt, Certificate	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	11	Apply selected informatics methods and tools related to personal health, health care, public health, and biomed
	Primary OHSU Core Competency	11.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	11.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	11.2.2	Systems
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	12	Exhibit knowledge in the underlying health domains that are related to the field of health information managem
	Primary OHSU Core Competency	12.2	Systems
	Secondary OHSU Core Competency	12.2.1	Evidence-Based Practice And Research
	Other OHSU Core Competencies	12.2.2	Lifelong Learning

	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	13	Identify differences in organizations and personal behaviors that affect the diffusion of informatics technology.
	Primary OHSU Core Competency	13.2	Evidence-Based Practice And Research
	Secondary OHSU Core Competency	13.2.1	Professional Knowledge And Skills
	Other OHSU Core Competencies	13.2.2	Reasoning And Judgment
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	14	Adhere to the educational standards for students in the field of health information management.
	Primary OHSU Core Competency	14.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	14.2.1	Professionalism And Ethics
	Other OHSU Core Competencies	14.2.2	Reasoning And Judgment
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	15	Display effective teamwork and written presentation skills.
	Primary OHSU Core Competency	15.2	Interprofessional Teamwork
	Secondary OHSU Core Competency	15.2.1	Communication
	Other OHSU Core Competencies	15.2.2	Professionalism And Ethics
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	16	Display familiarity with the use of information technology tools .
	Primary OHSU Core Competency	16.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	16.2.1	Lifelong Learning
	Other OHSU Core Competencies	16.2.2	Safety And Quality Improvement
Biomedical Informatics w/focus in Health Information Mgmt, MBI	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	11	Apply informatics theories, methods and tools related to personal health, health care, public health, and biomed
	Primary OHSU Core Competency	11.2	Evidence-Based Practice And Research
	Secondary OHSU Core Competency	11.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	11.2.2	Systems
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	12	Exhibit knowledge in the underlying biological and health domains that are related to the field of health informa
	Primary OHSU Core Competency	12.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	12.2.1	Systems
	Other OHSU Core Competencies	12.2.2	Evidence-Based Practice And Research
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	13	Identify differences in organizations and personal behaviors that affect the diffusion of informatics technology.
	Primary OHSU Core Competency	13.2	Evidence-Based Practice And Research
	Secondary OHSU Core Competency	13.2.1	Evidence-Based Practice And Research
	Other OHSU Core Competencies	13.2.2	Systems
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	14	Adhere to the professional and legal conduct standards of the field of health information management.
	Primary OHSU Core Competency	14.2	Professionalism And Ethics
	Secondary OHSU Core Competency	14.2.1	Reasoning And Judgment
	Other OHSU Core Competencies	14.2.2	Professional Knowledge And Skills
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	15	Display effective oral and written presentation skills.
	Primary OHSU Core Competency	15.2	Communication
	Secondary OHSU Core Competency	15.2.1	Interprofessional Teamwork
	Other OHSU Core Competencies	15.2.2	Professional Knowledge And Skills
	Student Learning Outcome (At a minimum, complete no less than 5 program SLOs)	16	Show competence in use of information technology tools.
	Primary OHSU Core Competency	16.2	Professional Knowledge And Skills
	Secondary OHSU Core Competency	16.2.1	Systems
	Other OHSU Core Competencies	16.2.2	Reasoning And Judgment