

## Student Informatics Competency Matrix

	<b>Communicate</b>	<b>Manage Knowledge</b>	<b>Mitigate Error</b>	<b>Support decision making</b>
<b>Prerequisites</b>	<input checked="" type="checkbox"/> Uses word processing applications (303, 312, 308) <input checked="" type="checkbox"/> Navigates Windows environment (307, 312) <input checked="" type="checkbox"/> Has CD drive (312) <input checked="" type="checkbox"/> Can send email attachments (312)	<input checked="" type="checkbox"/> File management skills (308, 312)		
<b>Technical competencies (Computer skills)</b>	<input checked="" type="checkbox"/> Literature searching (303,307, 308, 312) <input checked="" type="checkbox"/> Web search engines (303, 307, 312) <input checked="" type="checkbox"/> Uses spreadsheet applications (308) <input checked="" type="checkbox"/> Uses email applications (307, 308, 312) <input checked="" type="checkbox"/> Uses presentation software (312) <input checked="" type="checkbox"/> Uses internet browser (312) <input checked="" type="checkbox"/> Navigates in Windows environment effectively (312) <input checked="" type="checkbox"/> Uses PDA effectively (303) <input checked="" type="checkbox"/> Advanced Word (303, 307)	<input checked="" type="checkbox"/> Simple project management tools (303) <input checked="" type="checkbox"/> Recognizes basic components of computer systems (312) <input checked="" type="checkbox"/> Understands basic process of using networks for electronic communication (312) <input checked="" type="checkbox"/> Recognizes limitations of computer applications (312) <input checked="" type="checkbox"/> Uses internet search engines (303, 312) <input checked="" type="checkbox"/> Uses literature search engines (303, 308, 312) <input checked="" type="checkbox"/> Bibliography management, EndNote (307, 308)	<input checked="" type="checkbox"/> Uses technology safely (password protection) (307, 312) <input checked="" type="checkbox"/> Able to navigate secure information sites (307, 312)	
<b>Use (utility) competencies (Information literacy skills)</b>	<input checked="" type="checkbox"/> Uses communications technologies for patient education, collaboration with colleagues, etc. (303, 308, 312)	<input checked="" type="checkbox"/> Accesses, enters, retrieves data (312) <input checked="" type="checkbox"/> Uses databases to enter data (312) <input checked="" type="checkbox"/> Science/Knowledge Base retrieval (312)	<input type="checkbox"/> Order entry <input checked="" type="checkbox"/> Accurate data entry (303, 312) <input checked="" type="checkbox"/> Maintains security of patient information (303) <input checked="" type="checkbox"/> Data cleaning (308)	<input checked="" type="checkbox"/> Accurate data use (303, 312) <input type="checkbox"/> Uses decision support systems/expert systems and other aids for clinical decision making and care planning
<b>Leadership competencies</b>	<input checked="" type="checkbox"/> Multimedia presentations (303, 312) <input checked="" type="checkbox"/> Incorporates HIPAA and Code of Ethics in regards to patient privacy (303, 307, 312)	<input checked="" type="checkbox"/> Uses Internet to locate health-relevant resources (307, 312) <input checked="" type="checkbox"/> Recognizes relevance of nursing data for improving practice (307, 312) <input checked="" type="checkbox"/> Recognizes nature of Health Care Information, assesses impact on client care (312) <input checked="" type="checkbox"/> Recognizes need for continuous informatics learning (303)	<input checked="" type="checkbox"/> Understands information systems limitations (303, 312) <input checked="" type="checkbox"/> Evaluates credibility of online sources (308)	<input checked="" type="checkbox"/> Evaluates level of skill necessary to complete competencies (312) <input checked="" type="checkbox"/> Evaluate scientific evidence as it relates to clinical decision-making (303) <input checked="" type="checkbox"/> Uses electronic databases for improving health care delivery (301, 303)