

Computer Information Systems–Health Informatics Program

healthinformatics.chemeketa.edu

Health Informatics is an emerging field that combines the disciplines of computer information systems and health services management. The program offers an Associate of Applied Science degree that prepares students to coordinate the computer information systems used in hospitals and medical clinics. Program coursework covers health data collection, storage and communication, and data processing to be used for the support of administrative and clinical decision-making, and the computer and telecommunications technology applied to these processes.

As a statewide cooperative effort among several Oregon community colleges, this program is transferable to the following participating schools: Lane Community College, Linn-Benton Community College, Portland Community College, Southwestern Oregon Community College, and Umpqua Community College. Consult with Counseling and Career Services or a Chemeketa advisor on course transferability.

Total required credit may vary due to three to four credit conversion. Chemeketa degree and certificate minimum requirements must be met.

Program outcomes

Students completing the Computer Information Systems–Health Informatics AAS will:

- Develop, implement, and evaluate a health information management system.
- Manage the acquisition, storage, retrieval and use of health information.
- Apply operational health care knowledge to address health informatics system needs.
- Create and query databases and user interfaces using advanced SQL concepts.
- Select appropriate technology tools by recognizing tool capabilities and limitations.
- Work effectively alone or as part of a team.
- Communicate orally and in written form explain concepts, components and processes.
- Plan, manage and control costs of a health care system.
- Identify and evaluate local and wide area network requirements for a health care organization.
- Install, manage and troubleshoot issues in a network environment.
- Specify, purchase and assemble hardware and software for a local area network.
- Communicate effectively with vendors and users.
- Define systems requirements for projects; use project management software and practices, apply accounting principles to increase profitability and decrease costs.

Getting started

The first step to entering this program is to take part in an assessment process, which includes taking the college's free placement test. The second step is to discuss your scores with the Counseling and Career Services staff. Next, see a Health Informatics program advisor. If your scores show you need pre-program classes, your advisor will help you determine if you need one or more of the following:

CIS101	Introduction to Microcomputer Applications	3
HM120	Medical Terminology 1	3
MTH070	Elementary Algebra	4
RD115	Academic Reading and Thinking.....	3
WR115	Introduction to Composition	4

If you have questions about the requirements contact Health Informatics faculty James Finholt at 503.589.7813 or Cheryl Davis at 503.399.2669. Failure to be assessed may delay your entry into the program.

In addition to tuition, estimated costs for students who complete the entire AAS program listed above are books: \$4,580; class fees: \$725; universal fee: \$927; equipment and supplies, \$400. Contact the Financial Aid Office at 503.399.5018 to find out if you qualify for help with these costs.

You may earn an Associate of Applied Science degree by successfully completing the required 106 credit hours.

Course	Title	Credit Hours
Term 1		
BA211	Financial Accounting 1	4
CIS120	Digital Literacy.....	4
CIS133SC	Fundamentals of Scripting Languages.....	4
	or	
CIS133J	Fundamentals of Java Programming.....	4
MTH095	Intermediate Algebra+	4
WR121	English Composition - Exposition+	4
Term 2		
CIS121	Introduction to Programming	4
CIS125A	Micro Database Software - Access	3
CIS140B	Microcomputer Operating Systems	3
HM112	Health Information Systems and Procedures 2	4
HM121	Medical Terminology 2	3
Term 3		
BA224	Human Resource Management	4
CIS140U	UNIX/Linux.....	3
CIS179	Introduction to Client-Server Networks	4
PSY201	General Psychology - Mind and Body+	4



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Term 4	
BA214	Business Communications 3
	or
WR122	English Composition-Argumentation and Research 4
CIS276A	Introduction to Oracle: SQL 4
	or
CIS276D	Oracle Academy 1-SQL 4
CS275	Database Management 4
HM210	Introduction to Health Services 3
HM250	Health Services Management 1 3
Term 5	
CIS145	Microcomputer Hardware 4
CIS276B	Oracle Program with PL/SQL 4
	or
CIS276E	Oracle Academy 2-PL/SQL 4
CIS278	Data Communications 4
HM251	Health Services Management 2 3
SP111	Fundamentals of Public Speaking 4
Term 6	
CIS244	Systems Analysis 1 4
CIS276C	Oracle Reports Developer/Bldg Reports 4
CIS280C	Cooperative Work Experience 3
CIS288	Advanced Client Server 4
HM252	Health Services Management 3 3