



# Informatics

## Major Preparation Sheet 2016-2017

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### What is informatics?

Informatics explores the complex relationship between people, information and technology. Students interested in informatics enjoy working with people and using technology to develop, design, manage and support data bases of information for personal and public use.

**Contemporary issues in Informatics:** Information Needs and Search Engines; Web Tools, Web Development and Technologies; Organization and Presentation; Data Base Design, Maintenance and Management; Security and Integrity of Information; Interface and Interaction Designs; Usability Research and Development; Evaluation of User Need and Design; and, New Design Techniques.

### Where does my path start?

You will complete an Associate of Arts – Direct Transfer Agreement (AA-DTA) at Shoreline.

Use the AA -DTA **Degree Planning Guide** to understand the requirements for graduation.

Once you complete your Shoreline degree, you can transfer to a four-year school to earn a baccalaureate degree in Informatics.

Informatics is also an excellent major for graduate studies in Computer Science, Information Technology, Library Science, Business, Law, and Education.

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### Where can I go for help?

#### Informatics Faculty Advisors

**Leslie Potter-Henderson** 206-546-4554  
[lhenders@shoreline.edu](mailto:lhenders@shoreline.edu) Rm 4209

#### Career Planning

[www.shoreline.edu/job-career-services/](http://www.shoreline.edu/job-career-services/)

#### General Academic Advising

FOSS (5000) Building, Rm. 5229  
206-546-4559

[advising@shoreline.edu](mailto:advising@shoreline.edu)

[www.shoreline.edu/advising](http://www.shoreline.edu/advising)

#### International Student Academic Advising

9000 Building, Rm. 9302  
206-546-4697

[ieadvisors@shoreline.edu](mailto:ieadvisors@shoreline.edu)

[www.shoreline.edu/international/advising/](http://www.shoreline.edu/international/advising/)

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### Where can I transfer?

Students can transfer to a number of public and private colleges and universities in the U.S., but the Direct Transfer Agreement applies only within Washington. The only Bachelor's degree program in Informatics is offered at the [University of Washington – Seattle](http://www.uw.edu) (Bachelor of Science).

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### What can I do with a Bachelor's Degree in Informatics?

From analyzing and solving problems, to leading and managing projects, informatics majors develop the knowledge and skills to be competitive in one of the fastest growing career fields. A degree in informatics prepares students for careers as information specialists, information architects, network managers, web developers, business systems analysts, web designers, information assurance professionals, business consultants, researchers and application/software designers.

**Potential employers include:** Business and industry, corporations, tv and radio stations, federal, state and local governments, colleges and universities, private and public schools, hospitals, law firms, marketing and research firms, private foundations and non-profit organizations. For more, please visit <http://www.shoreline.edu/counseling-services/career-counseling.aspx>

**What courses should I take?\***

*Below are recommendations for fulfilling the AA-DTA requirements if you are planning to pursue a four-year degree in Informatics.*

**Strongly Recommended**  
These are commonly **required** for admission. Check with your chosen four-year program(s) to confirm.

**Other Recommendations**  
These courses are well-matched with this major, but are not commonly required for admission.

**I. GENERAL EDUCATION REQUIREMENTS**

<b>Quant. and Symb. Reasoning</b>	--	MATH 111 or MATH &141 ( <i>prerequisite for CS &amp;141</i> )
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**II. DISTRIBUTION REQUIREMENTS**

<b>Humanities</b>	--	World Language if required for university admission or graduation.
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<b>Natural Sciences</b>	MATH &146 or 211	
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<b>Social Sciences</b>	--	
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**III. GENERAL ELECTIVES**

	CS &141, 143	INFO 150; World Language if required for university admission or graduation.
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**What does your chosen four-year school require?**

Before choosing classes, become familiar with the four-year program where you want to apply: visit the website, email the department, and/or speak with a Shoreline advisor. Below are examples from Washington schools with different admissions and graduation requirements. Check with the school for world language requirements. (Non-native speakers of English are often exempt from this requirement.)

School	Degrees	Requirements
University of Washington - Seattle	B.S. in Informatics	Options include Human-Computer Interaction, Information Architecture, Information Assurance and Cybersecurity, or a Student-Designed Concentration. Major requirements include CS &141, MATH &146 or 211, ENGL &101.
		The Informatics School admits only once a year in the fall quarter. Application period is between April 15 and June 15.
		The UW-Seattle has the only School of Information in Washington State leading to a Bachelor of Science degree in Informatics, a Master of Library and Information Science, a Master of Science in Information Management, and a Ph.D. in Information Science.
		Students interested in Information Technology programs or Management Information Systems should check with university Business and Computer Science Departments

**\*\* This unofficial guide is intended to support you as you prepare for your major. Please consult with an advisor and your chosen four-year school(s), as program and admissions requirements vary and may change without notice.**