

# WEB TECHNOLOGY UTILIZATION EMPHASIS, BIS

## Degree Requirements

In addition to the requirements stated below, students must complete an additional 31-32 hours of General Education (<https://catalog.washburn.edu/undergraduate/programs-degrees-graduation-requirements/general-education-requirements/>), all requirements for a Bachelor of Integrated Studies (<https://catalog.washburn.edu/undergraduate/college-arts-sciences/degrees/bachelor-integrated-studies/>) degree, and any additional hours needed to reach the minimum 120 credit hours required for graduation. Some of the courses below may also fulfill general education or other degree requirements. Please see your advisor for more information.

Code	Title	Hours
<b>Required Math Gateway Course</b>		
MA 112	Contemporary College Mathematics <sup>1</sup>	3
<b>Required Courses Inside Department</b>		
IS 390	Integrated Studies Capstone	1-7
IS 389	Integrated Studies Capstone Proposal	1
Subtotal		5-11
<b>Required Courses Outside Department</b>		
AR 223	Graphic Design I	3
AR 321	Photoshop Imaging	3
BU 250	Management Information Systems	3
CM 101	Computer Concepts and Applications	3
CM 111	Introduction to Structured Programming	4
CM 130	Web Development I	3
CM 330	Web Development II	3
CN 150	Public Speaking	3
CN 340	Interviewing	3
or CN 341	Persuasive Speaking	
EN 208	Professional Writing	3
MA 140	Statistics	3
MM 202	Professional Media Writing	3
MM 321	Advanced Professional Media Applications	3
MM 372	Film Production	3
Subtotal		43
Electives - Select 21 credit hours of the following (at least 18 must be upper division):		21
AR 120	2D Design	
AR 322	Graphic Design II	
AR 325	Photoshop Imaging II	
AR 326	2D & 3D Digital Animation	
AR 403	Workshop in Art Media	
AR 429	Web Design	
CM 203	Digital Forensics I	
CM 231	Computer Organization/Assembler Language	
CM 245	Contemporary Programming Methods	
CM 261	Networked Systems	
CM 307	Data Structures & Algorithmic Analysis	

CM 322	Operating Systems	
CM 361	Cybersecurity	
MM 100	Introduction to Mass Media	
MM 352	Advertising and PR Strategies	
<b>Total Hours</b>		<b>69-75</b>

<sup>1</sup> If student has already completed a different college math course, please discuss with your advisor.