

# WEB DESIGN/DEVELOPMENT, ASSOCIATE IN APPLIED SCIENCE



## COMPUTER AND INFORMATION TECHNOLOGY

Associate in Applied Science : AAS 3185

61-74 Credits

Program Contact

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## Program Description

The Associate in Applied Science (AAS) in Web Design/Development prepares students to design, create, and administer interactive and professional web sites. Courses focus on "hands-on" experience with web publishing, web graphics preparation, scripting, content management systems and e-commerce solutions. The program provides students a pathway to either develop advanced skills in Web Design or Web Development. Certificates of Completion (CCLs) in Foundational Web Technologies, Web Design and Web Development are also available.

## Program Notes

Students must earn a grade of "C" or better for all courses required within the program. Overall program minimum GPA = 2.00.

Courses within any of the following prefixes must be taken within five (5) years prior to completion of the program to be applied toward this award: AIM, BPC, CIS, CLD, CNT, CSC, ITS, and MST.

++ indicates any suffixed course may be selected.

## Program Requirements

Program Prerequisites: None

Code	Title	Credits	Semester
<b>Required Courses</b>			
In addition to the required course work students must consult with a program advisor to select one of the specializations within the Restricted Electives area.			
CIS105	Survey of Computer Information Systems	3	_____
CIS120DF	Introduction to Adobe Photoshop	3	_____
CIS133DA	Internet/Web Development Level I	3	_____

CIS136	Content Management Systems: WordPress	3	_____
CIS166AA	Introduction to Javascript	3	_____
CIS233DA	Internet/Web Development Level II	3	_____
CIS235	E-Commerce	3	_____
FYE101	Introduction to College, Career and Personal Success	1-3	_____
or FYE103	Exploration of College, Career and Personal Success		_____

### Restricted Electives

Complete all courses in the specialization below that best aligns with your academic and professional goals. Consult with an academic, faculty, or program advisor.	17-22	_____
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Specialization I: Web Design (17-22 Credits) (p. 2)

Specialization II: Web Development (18 Credits) (p. 2)

### General Education

#### Core

#### First-Year Composition

ENG101	First-Year Composition	3	_____
or ENG107	First-Year Composition for ESL		_____
ENG102	First-Year Composition	3	_____
or ENG108	First-Year Composition for ESL		_____

#### Oral Communication

Any approved General Education course from the Oral Communication area	3	_____
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#### Critical Reading

Select one of the following:	0-3	_____	
CRE101	College Critical Reading and Critical Thinking		_____
Or equivalent as indicated by assessment			

#### Mathematics

Any approved general education course(s) in the Mathematics area <sup>1</sup>	3-6	_____
College Mathematics:		
MAT140	College Mathematics	_____
MAT141	College Mathematics	_____

MAT142	College Mathematics	_____
MAT145	College Mathematics with Review	_____
MAT146	College Mathematics with Review	_____
College Algebra/Functions:		_____
MAT150	College Algebra/Functions	_____
MAT151	College Algebra/Functions	_____
MAT152	College Algebra/Functions	_____
MAT155	College Algebra/Functions with Review	_____
MAT156	College Algebra/Functions with Review	_____
Higher Math Course:		_____
Higher math course with the Mathematical Applications (MA) general education designation recommended for students intending to transfer to a four-year institution.		_____
<b>Distribution</b>		
<i>Humanities, Arts and Design</i>		
Any approved general education course(s) from the Humanities, Arts and Design area	3	_____
<i>Social and Behavioral Sciences</i>		
Any approved general education course(s) in the Social and Behavioral Sciences area <sup>2</sup>	3	_____
<i>Natural Sciences</i>		
Any approved general education course(s) in the Natural Sciences area	4	_____
<b>Total Credits</b>	<b>61-74</b>	_____

<sup>1</sup> MAT187 Precalculus is recommended for students intending to transfer to ASU (Tempe campus) to earn a BS in Graphic Information Technology.

<sup>2</sup> PSY101 Introduction to Psychology is recommended for students intending to transfer to ASU (Polytechnic campus) to earn a BS in Technical Communication (User Experience) or to ASU (Tempe campus) to earn a BS in Graphic Information Technology

## Specializations

### Specialization I: Web Design

Code	Title	Credits	Semester
Select one of the following:		3-4	_____
AVC183	Digital Graphic Arts I		_____
AVC181 & AVC100	Graphic Design I and Introduction to Digital Arts		_____
ART112	Two-Dimensional Design		_____
CIS120DA	Introduction to Adobe Premiere	3	_____
or CIS120DK	Introduction to Digital Video Editing		_____
CIS120DB	Introduction to Adobe Illustrator	3	_____
CIS120DC	Introduction to Adobe Animate	3	_____
or CIS220DF	Adobe Photoshop Level II: Advanced Digital Imaging		_____
CIS138DA	Desktop Design and Publishing Using Adobe InDesign	3	_____
Students must select 2 to 6 credits in consultation with your program advisor to further develop skills in the areas of Adobe, Art, Social Media, Marketing, Business and/or Multimedia.		2-6	_____
<b>Total Credits</b>		<b>17-22</b>	_____

### Specialization II: Web Development

Code	Title	Credits	Semester
CIS119D0	Introduction to Oracle: SQL (or CIS276++ Any Database Management Systems course)	3	_____
CIS126DL	Linux Operating System	3	_____
or CIS126RH	Red Hat System Administration I		_____
CIS166AE	Web Scripting with PHP: Hypertext Preprocessor (PHP)	3	_____
Programming Language: Select two of the following:		6	_____
CIS150AB	Object-Oriented Programming Fundamentals		_____
CIS156	Python Programming: Level I		_____

CIS159	Visual Basic Programming I	_____
CIS162++	Any C Programming course	_____
CIS163AA	Java Programming: Level I	_____
CIS165++	Any Mobile Application Development course	_____
CIS256	Python Programming Level II	_____
CIS262AD	C# Level II	_____
CIS263AA	Java Programming: Level II	_____
CIS265++	Advanced iOS Application Development	_____
Students must select 3 credits of any course with a CIS prefix in consultation with their program advisor to further develop skills in the areas of Databases, Information Systems, Programming, and/or Operating Systems.		3 _____
<b>Total Credits</b>		<b>18</b> _____