



# IT-Web Software Developer

## ASSOCIATE OF APPLIED SCIENCE



Effective  
2022-23

The course sequence is the recommended path to completion upon graduation from eCampus Academy. All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan as it transfers to Gateway Technical College or UW-Whitewater.

F = Fall, S = Spring, SU = Summer

Term	Course #	Cr.	Course Title	Requisites (prereq-before/coreq-with)	Online
1	890-155	1	☑ Gateway to Success (G2S)		F
1	*152-081	3	Programming in Python		F
1	*152-101	4	Web Programming		F
1	*152-184	3	🎓 Java Programming 1	Correq: 804-135 OR 804-115	F
1	804-135 OR 804-115	3 5	Quantitative Reasoning OR College Technical Math 1	Prereq: 834-109 Prereq: 834-110	F
2	*152-097	3	🎓 Javascript	Prereq: 152-101 OR 152-182	S
2	*152-080	3	Databases		S
2	*152-174	3	Java Programming 2	Prereq: 152-184	S
2	*152-188	3	PHP Web Programming	Prereq: 152-101 OR 152-182; 152-184 OR 152-081	S
2	801-136	3	English Composition 1	Prereq: 831-103 OR 831-107	S
3	*152-102	3	Advanced Web Programming	Prereq: 152-101 OR 152-182; 152-097	SU
3	*152-178	3	Develop ASP.NET Web Apps	Prereq: 152-101 OR 152-182; 152-097 OR 152-184 OR 152-081	SU
3	801-196 OR 801-198	3	Oral/Interpersonal Communications OR Speech		SU
3	809-198	3	Psychology, Introduction	Prereq: 838-105 OR 831-107	SU
4	*152-103	3	Advanced Programming in Python	Prereq: 152-081; 152-101 OR 152-182	F
4	*152-104	3	Web Frameworks	Prereq: 152-080; 152-102; 152-103 OR 152-174	F
4	*152-164	3	Mobile Device Programming	Prereq: 152-184	F
4	*152-001 OR *152-084	3	Front-End Development w/React OR Front End Development w/Angular	Prereq: 152-097	F
5	*152-083	3	Web Developer Project	Prereq: 801-196 OR 801-198; 152-102 OR 152-150; 152-188	S
5	809-143 OR 809-195	3	Microeconomics OR Economics	Prereq: 838-105 OR 831-107	S
5	XXX-XXX	3	Elective Courses	Take 3 credits at the associate degree level. Suggested electives listed on back	S

**Minimum Program Total Credits Required: 62**

- ☑ = Mastery of this course will put students on a path to achieve successful degree completion, on-time graduation and enrich the college experience. Students are required to take this course in their first semester of enrollment. Please see an advisor for details.
- 🎓 = Milestone Course. Faculty have identified this course as providing a strong foundation for success throughout the program.
- (\*) indicates students must achieve a combined average of 2.0 ("C") or above for these major courses to meet graduation requirements.

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## IT-Web Software Developer

The *IT-Web Software Developer* program trains students in the development and maintenance of business and e-Commerce web sites using a variety of software, programming and scripting languages. Topics will include web site project management, design, development, deployment, and basic maintenance of back-end databases and websites. Typical entry-level positions for this training opportunity include web developer, web programmer and web designer.

### Program Learning Outcomes

Graduates will be able to:

1. Plan web-based solutions.
2. Design web applications.
3. Build front-end of web-based software applications.
4. Build back-end of web-based software applications.
5. Integrate database technologies.
6. Develop technical documentation for web applications.
7. Test web applications.

### Essential Career Competencies

Gateway's six essential career competencies are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will develop skills in:

- Communication Competence
- Professionalism and Career Management
- Cultural Competence
- Critical Thinking and Problem Solving
- Teamwork and Collaboration
- Technology Competence

### Suggested Electives:

152-140 Web Internship	138-118 International Bizsquad
145-119 Entrepreneurship	801-198 Speech
809-172 Diversity Studies	152-001 Front-End Development with React
152-084 Front-End Development with Angular	

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