



IT-Web Programmer

TECHNICAL DIPLOMA



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 | Coreq: 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 | *152-080 | 3 | Databases | | S |
| 2 | *152-097 | 3 | 🎓 Javascript | Prereq: 152-101 OR 152-182 | 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 |
| 3 | *152-102 | 3 | Advanced Web Programming | Prereq: 152-101 OR 152-182; 152-097 | SU |

Minimum Program Total Credits Required: 29

Students interested in continuing into the IT-Web Software Developer program can earn their associate degree by completing an additional 33 credits. Please see your academic advisor for details.

Phone: (920) 262-1420
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- ☑ = 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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The *IT-Web Programmer* diploma trains students in the development of business web sites using a variety of programming and scripting languages. Topics will include web site design and development and basic knowledge of SQL and back-end databases. Typical entry-level positions are junior web develop and junior web programmer.

Program Learning Outcomes

Graduates will be able to:

1. Communicate effectively.
2. Utilize web design principles, standards and best practices in designing effective and usable websites.
3. Identify and apply HTML/CSS tags and attributes for web page design.
4. Develop basic web applications using server-side scripting languages such as PHP.
5. Use SQL commands to query a database and display data on a webpage.
6. Conduct testing and troubleshooting to web pages.

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

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