



Full-Time Pathway to Success

School of Manufacturing, Engineering, and Information Technology

IT – Web Programmer (31-152-6)

Technical Diploma

Effective 2021/2022

The course sequence shown on this sheet is the recommended path to completion. Courses will be scheduled in the terms indicated here. All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan.

R-D = Racine/days, R-E = Racine/evenings, O = Online, F=Fall, S=Spring, SU=Summer

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	R-D	R-E	O
1	890-155	1	📍 Gateway to Success (G2S)		F	F	F
1	*152-081	3	Programming in Python		F	F	F
1	*152-182	3	🎓 Web Programming 1	Coreq: 152-082	F	F	F
1	*152-184	3	Java Programming 1	Coreq: 804-135 OR 804-115	F	F	F
1	*152-082	1	Web Developer Orientation	Coreq: 152-182	F	F	F
1	804-135	3	Quantitative Reasoning ¹	Prereq: 834-109	F	F	F
2	*152-097	3	🎓 Javascript	Prereq: 152-182	S	S	S
2	*152-080	3	Databases	Prereq: 152-081 OR 152-184	S	S	S
2	*152-174	3	Java Programming 2	Prereq: 152-184	S	S	S
2	*152-188	3	PHP Web Programming	Prereq: 152-182; 152-184 OR 152-081	S	S	S
3	*152-150	3	Web Programming 2	Prereq: 152-182; 152-097	SU	SU	SU

Minimum Program Total Credits Required: 29

Students interested in continuing into the 10-152-4 IT – Web Software Developer program can earn their associate degree by completing an additional 33 credits. Please see your academic advisor for details.

Notes associated with courses (identified by a superscript number at the end of the course title) are located on the back of the sheet.

📍 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 minimum of 2.0 ("C") or above for these major courses to meet graduation requirements.

IT – Web Programmer (31-152-6)

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 developer 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 of 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

Admission Requirements

1. Students must submit an application and pay \$30 fee.
2. Students must meet one of the following: minimum cumulative high school GPA of 2.6 (unweighted); earned at least 12 college credits with a minimum GPA of 2.0; or complete valid reading, writing, and math placement assessments.

Graduation Requirements

1. Minimum 29 credits with an average of 2.0 or above.
2. *Minimum of 2.0 ("C") or above for these major courses.
3. Complete 890-155 Gateway to Success (G2S) in the first semester.

For a complete list of Graduation Requirements, check the Student Handbook or [Graduation Requirements](#).

Notes

1. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. IT-Web Programmer is a laptop program. Students will need a Windows-based computer (with a hard drive) for use in the program. Please note MAC computers are not compatible with some of the required software.

Accreditation Statement

Gateway Technical College's IT-Web Programmer program is fully accredited and in good standing with the Accreditation Council for Business Schools and programs [www.acbsp.org].

Accreditation Council for Business Schools and Programs (ACBSP)
11520 West 119th Street
Overland Park, KS 66213
Phone: (913) 339-9356
www.acbsp.org

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for a period of two years or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult My Gateway for exact fee amounts. Occasionally, the District may offer a particular course out of published sequence. By doing so, the District does not obligate itself to offer succeeding courses out of published sequence.