IT – Web Programmer (31-152-6)

Technical Diploma
Effective 2025/2026

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.
Courses in this program may be offered in a variety or combination of formats (for example: in-person, video conferencing, online, etc.).

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

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	O	R-D
1	890-155	1	⚲ Gateway to Success (G2S)		F	F
1	*152-080	3	Databases		F	F
1	804-134 **OR** 804-115	3 **OR** 5	Mathematical Reasoning[1] **OR** College Technical Math 1[1,3]	Prereq: 854-760 Prereq: 834-110	F	F
2	*152-081	3	Programming in Python		S	S
2	*152-101	4	Web Programming		S	S
2	*152-184	3	🎓 Java Programming 1[3]	Coreq: 804-134 OR 804-135 OR 804-115	S	S
3	*152-097	3	🎓 Javascript	Prereq: 152-101 OR 152-182	SU	SU
3	*152-174	3	Java Programming 2	Prereq: 152-184	SU	SU
4	*152-102	3	Advanced Web Programming	Prereq: 152-101 OR 152-182; 152-097	F	F
4	*152-188	3	PHP Web Programming	Prereq: 152-101 OR 152-182; 152-184 OR 152-081	F	F

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. Design web sites or applications.
2. Utilize essential data technologies.
3. Develop basic 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

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 a cumulative GPA 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. Satisfactory college placement results (through multiple measures or placement test scores) 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.
3. A credit for prior learning assessment is available for this course. For more information, please contact cfpl@gtc.edu.

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for one year 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. The District reserves the right to modify, cancel, or relocate course offerings in response to factors such as low enrollment, resource availability, or other relevant considerations to ensure high-quality educational experiences. Students will be notified in writing and are encouraged to meet with their Academic Advisor to adjust their academic plan.

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