The course sequence shown on this sheet is the recommended path to completion of the program and reflects how courses are regularly scheduled. Courses will be scheduled in the terms indicated here. Courses may be taken out of sequence as long as requisites are met.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Requisites</th>
<th>Notes</th>
<th>Credits</th>
<th>Terms Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>107-011</td>
<td>IT in Business</td>
<td></td>
<td>4</td>
<td>3</td>
<td>FA</td>
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<tr>
<td>152-126</td>
<td>Intro to Prog. &amp; Database Concepts</td>
<td></td>
<td>4</td>
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<tr>
<td>152-105</td>
<td>IBM Enterprise System Concepts</td>
<td>Coreq: 107-011</td>
<td>4</td>
<td>2</td>
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<tr>
<td>801-136</td>
<td>English Composition 1</td>
<td>Prereq: 831-103</td>
<td>1,4</td>
<td>3</td>
<td>FA, SP, SU</td>
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<tr>
<td>804-135 OR</td>
<td>Quantitative Reasoning</td>
<td>Prereq: 834-109</td>
<td>1</td>
<td>3</td>
<td>FA, SP, SU</td>
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<tr>
<td>804-115</td>
<td>College Technical Math 1</td>
<td>Prereq: 834-110</td>
<td>1,4</td>
<td>3</td>
<td>FA, SP, SU</td>
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<tr>
<td>152-133</td>
<td>IBM Control Language</td>
<td>Prereq: 152-105</td>
<td>2</td>
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<td>SP</td>
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<tr>
<td>152-141</td>
<td>Java Programming – IBM Systems</td>
<td>Prereq: 152-126; 152-105</td>
<td>3</td>
<td>SP</td>
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<tr>
<td>152-145</td>
<td>Internet Programming</td>
<td>Prereq: 152-126</td>
<td>3</td>
<td></td>
<td>SP</td>
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<tr>
<td>152-151</td>
<td>Microcomputer Prog. Advanced</td>
<td>Prereq: 152-126</td>
<td>3</td>
<td></td>
<td>SP</td>
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<tr>
<td>809-198</td>
<td>Psychology, Introduction to</td>
<td>Prereq: 838-105</td>
<td>1,2,4</td>
<td>3</td>
<td>FA, SP, SU</td>
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<tr>
<td>801-197</td>
<td>Technical Reporting</td>
<td>Prereq: 801-136</td>
<td>3</td>
<td></td>
<td>FA, SP, SU</td>
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<tr>
<td>152-122</td>
<td>Computer Programming RPG/IV (ILE)</td>
<td>Prereq: 152-133; 152-126; 801-136; 804-135 or 804-115</td>
<td>3</td>
<td>FA</td>
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<tr>
<td>152-168</td>
<td>IBM and .NET Enterprise Programming</td>
<td>Prereq: 152-151</td>
<td>3</td>
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<td>152-093</td>
<td>IBM Advanced Java Programming</td>
<td>Prereq: 152-141; 152-145</td>
<td>3</td>
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<tr>
<td>152-164</td>
<td>Mobile Device Programming</td>
<td>Prereq: 152-126</td>
<td>3</td>
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<tr>
<td>809-195 OR</td>
<td>Economics</td>
<td>Prereq: 838-105</td>
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<td>3</td>
<td>FA, SP, SU</td>
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<tr>
<td>809-143</td>
<td>Microeconomics</td>
<td></td>
<td>1,4</td>
<td>3</td>
<td>FA, SP, SU</td>
</tr>
</tbody>
</table>

Minimum Program Total Credits Required 62

= Milestone Course. Faculty have identified this course as providing a strong foundation for your success throughout the program. Courses should be taken in the order shown to help you stay on track and graduate on time.
IT – Software Developer (10-152-1)

IT-Software Developer covers the rapidly changing field of Information Technology with its multiple job opportunities; it may be completed in four semesters if taken full-time. The curriculum includes various types of programming, program analysis, and system software. Typical entry-level positions are entry-level programmer and computer operator.

Program Learning Outcomes

Graduates will be able to:
1. Develop interactive programs utilizing structured programming techniques.
2. Code on multiple platforms.
3. Be prepared for entry in the computer field.
4. Assess computer hardware and software needs.
5. Communicate effectively with IT, end-users, teams, and management.
6. Develop and document IT (Information Technology) environments.

Core Abilities

Gateway's nine core abilities are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will be able to:
1. Act responsibly.
2. Communicate clearly and effectively.
3. Demonstrate essential computer skills.
4. Demonstrate essential mathematical skills.
5. Develop job seeking skills.
6. Respect themselves and others as members of a diverse community.
7. Think critically and creatively.
8. Work cooperatively.

Admission Requirements

1. Students must submit an application and pay $30 fee.
2. Students must complete reading, writing, and math skills placement assessments.
3. Students must submit official high school, GED, or HSED transcript.

Graduation Requirements

1. Minimum 62 credits with an average of 2.0 or above.
2. *Minimum of 2.0 (“C”) or above for these major courses.

For a complete list of Graduation Requirements, check the Student Handbook.

Program Offerings

<table>
<thead>
<tr>
<th>Evenings</th>
<th>Location(s)</th>
<th>Starting Term(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Racine</td>
<td>FA</td>
</tr>
</tbody>
</table>

Suggested Electives

- 152-124 Computer Programming C++
- 102-138 Biz Internship
- 801-198 Speech
- 809-112 Principles of Sustainability
- 809-196 Sociology, Intro to
- 809-172 Diversity Studies, Intro to
- 801-196 Oral/Interpersonal Communication

Notes

1. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. Transfer credits in Social Science may substitute for this course. See an advisor for details.
3. IT-Software Developer 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.
4. A credit for prior learning assessment is available for this course. For more information, please contact cipl@gtc.edu.

Gateway Technical College’s IT-Software Developer 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.

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