

Information Technology





Racine Campus

1001 S. Main St. Racine, WI 53403

- Full Stack Web Developer
- Computer Support Technician
- Computer Support Specialist
- Cybersecurity Specialist
- Data Analytics Specialist
- Network Specialist
- Software Developer
- Web Programmer
- Web Software Developer



How can I start work in the IT field?

Apprenticeship

- **Youth Apprenticeship**
 - Gain a job in the IT Field
 - Learn while you are working
- **Registered Apprenticeship**
 - Learn while you are working
 - Earn a technical diploma in your IT speciality

Certificate or Technical Diploma

- Certificates
 - Google IT Support
 - Game Programming
 - Full Stack Web Developer
 - Web Content Writer
- Technical Diplomas
 - Computer Support Technician
 - Web Programmer

Associate Degree

- Associate Degree
- Technical classes and general education
 - Computer Support Specialist
 - Cybersecurity Specialist
 - Data Analytics Specialist
 - Network Specialist
 - Software Developer
 - Web Software Developer

Did you know?

- Over 3.8 billion people use the internet today, which is 40% of the world's population
- More than 570 new websites are created every minute
- Esports is the 4th largest sport in the world, following the Olympics, Football World Cup, and Formula 1
- Earliest known organized video game competition was in 1972

CAREER PATHWAY

GATEWAY TECHNICAL COLLEGE

IT - Computer Support Specialist

Previous Credit

There are many opportunities, both in high school and through previous college, work, and/or military experience, to earn credit at Gateway.

For more information about earning credit in high school and opportunities for credit for prior learning, please see reverse side.

Technical Diploma

IT-Computer Support Technician (31 Credits)

Potential Jobs:

- Desktop Support Technician
- Personal Computer Technician
- Help Desk Tier 1

Median Income*:

\$16.83 per hour

\$35,006 annually

*Based on locally reported wage data.

Students who complete this program are prepared to earn industry-recognized certifications, including:

- CompTIA A+ 901/902

Associate Degree

IT-Computer Support Specialist (61 Credits)

Potential Jobs:

- Computer Support Specialist
- Help Desk Tier 2

Median Income:

\$23.20 per hour

\$48,256 annually

Students who complete this program are prepared to earn industry-recognized certifications, including:

- HDI Support Center Analyst

Career

Students are prepared to enter their career field at any point along the pathway and advance as they complete higher-level credentials.

Bachelor's Degree

Transfer up to 61 credits via existing articulation agreements with colleges such as:

- Cardinal Stritch University
- Herzing University
- Lakeland University
- Ottawa University
- UW-Parkside (A to B agreement)
- UW-Stout

What will you learn?

Certificate: IT – FULL STACK WEB DEVELOPER CERTIFICATE (90-152-6)

Credits: 13 Credits

Description: The IT - Full-Stack Web Developer Certificate helps train students to work in developing complete modern web applications for delivery to any platform using modern web frameworks. Student will be able to complete this certificate within one semester (15 weeks) due to sequential course offerings.

Related Program: IT-Web Software Developer

Campuses Available: Online

REQUIRED COURSES

✓	<u>Semester One</u>	<u>Credits</u>	<u>Prerequisite</u>	<u>Corequisite</u>
	152-082 Web Developer Orientation	1		152-182
	152-182 Web Programming 1	3		152-082
	152-097 JavaScript	3	152-182	
	152-150 Web Programming 2	3	152-182; 152-097	
	152-084 Front-End Development with Angular	3	152-097	
	OR	OR		
	152-001 Front-End Developer with React	3		
	Total Credits	13		

What will you learn?

IT – Computer Support Technician (31-154-6)

Technical Diploma

Effective 2020/2021

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, E-E = Elkhorn/evenings, F=Fall, S=Spring, SU=Summer

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	R-D	E-E
1	890-155	1	📍 Gateway to Success (G2S)		F	F
1	*154-121	1	CSS Program Orientation		F	F
1	*154-119	3	System Software Support ²	Coreq: 154-121; 801-136	F	F
1	*107-011	3	IT in Business ²		F	F
1	*107-193	3	🎓 IT Essentials ²		F	F
1	801-136	3	English Composition 1 ²	Prereq: 831-103 OR 831-107	F	F
2	*154-114	3	🎓 Hardware & Software Support	Prereq: 154-119; 107-193	S	S
2	*154-122	3	🎓 Introduction to Help/Service Desk	Prereq: 107-193 Coreq: 804-135 OR 804-115	S	S
2	*150-145	3	IT Scripting		S	S
2	804-135	3	Quantitative Reasoning ¹	Prereq: 834-109	S	S
3	801-197	3	Technical Reporting	Prereq: 801-136	SU	SU
3	*150-182	3	IoT: Connecting Devices		SU	SU

Minimum Program Total Credits Required: 32

What will you learn?

IT – Computer Support Specialist (10-154-3)

Associate of Applied Science

Effective 2020/2021

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.

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

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	E-E	R-D
1	890-155	1	📍 Gateway to Success (G2S)		F	F
1	*154-121	1	CSS Program Orientation		F	F
1	*154-119	3	System Software Support ⁴	Coreq: 154-121; 801-136	F	F
1	*107-011	3	IT in Business ⁴		F	F
1	*107-193	3	📱 IT Essentials ⁴		F	F
1	801-136	3	English Composition 1 ^{1,4}	Prereq: 831-103 OR 831-107	F	F
2	*154-114	3	📱 Hardware & Software Support	Prereq: 154-119; 107-193	S	S
	809-196		Sociology, Introduction to ^{1,3,4}			
2	OR	3	OR	Prereq: 838-105 OR 831-107	S	S
	809-172		Diversity Studies, Introduction to ¹			
2	*154-122	3	📱 Introduction to Help/Service Desk	Prereq: 107-193 Coreq: 804-135 OR 804-115	S	S
	804-135	3	Quantitative Reasoning ¹	Prereq: 834-109		
2	OR		OR		S	S
	804-115	5	College Technical Math 1 ¹	Prereq: 834-110		
3	*150-145	3	IT Scripting		SU	SU
3	801-197	3	Technical Reporting	Prereq: 801-136	SU	SU
	809-143		Microeconomics ^{1,4}			
3	OR	3	OR	Prereq: 838-105 OR 831-107	SU	SU
	809-195		Economics ^{1,4}			
3	XXX-XXX	3	Elective Course	Take 3 credits at the associate degree level. Suggested electives listed on back.	SU	SU
4	*154-113	3	📱 IT Apps Server & Support ⁴	Prereq: 154-114	F	F
4	*154-112	3	Data Security & Recovery Support	Prereq: 154-114; 804-135 OR 804-115	F	F
4	*154-120	3	Advanced Help/Service Desk	Prereq: 154-122	F	F
4	*150-182	3	IoT: Connecting Devices		F	F
5	*154-116	2	Emerging Technologies and Apps.	Prereq: 154-112	S	S
5	*154-118	3	CSS Skills Implementation & Career Prep	Prereq: 154-113; 801-197	S	S
5	809-198	3	Psychology, Introduction to ^{1,3,4}	Prereq: 838-105 OR 831-107	S	S
5	*107-177	4	IT Project Management ⁴	Prereq: 154-113; 801-197	S	S

Minimum Program Total Credits Required: 62

What will you learn?

Information Technology Programs

Interested in Getting Started Now?

In High School...

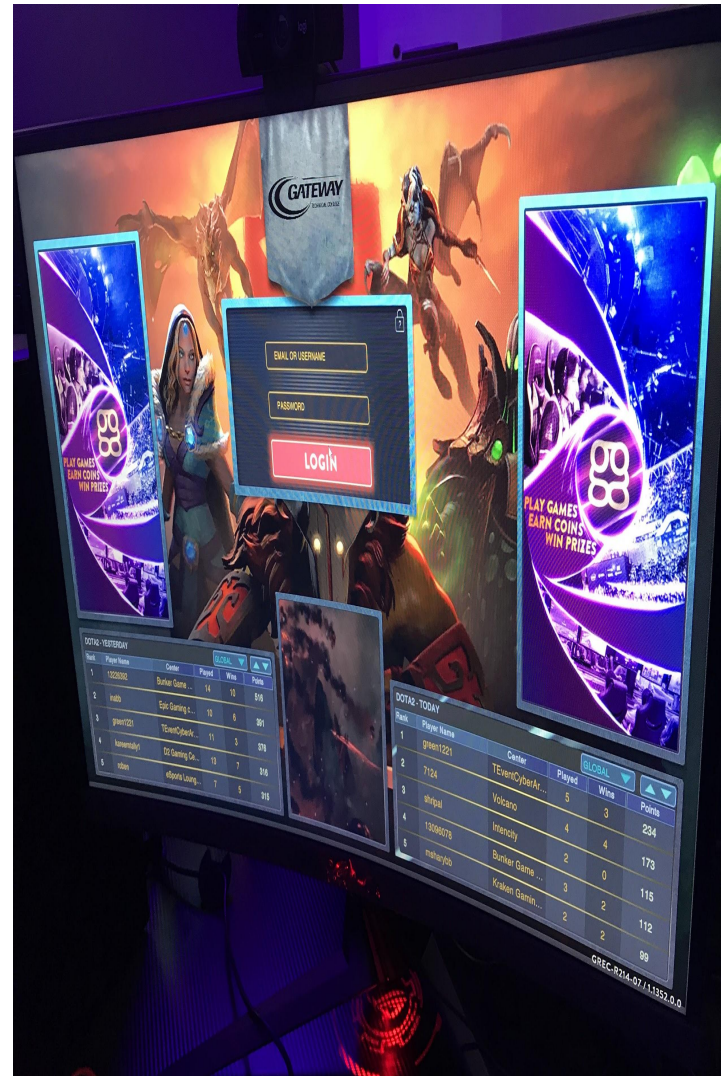
- Apprenticeship
- Gateway Classes
 - Network Specialist
 - Data Analytics
 - Cybersecurity Specialist
 - Software Developer
 - Web Software Developer
 - Computer Support Specialist

Gateway has an Esports Club!

- Esports uses:
 - STEM
 - Graphic Design
 - Computer Engineering
 - Game Design
 - Social / Emotional learning
 - Leadership
 - Communication
 - Discipline
 - Teamwork
 - Strategic Thinking and Planning



Esports



Ready, set, create your own Flappy Bird code

- In this activity, you will visit code.org to explore basics of coding during an “hour of code”
- Watch the video on [Flappy Code](#)
- After watching the video, follow the Flappy Bird Lessons until level 10
- If you’re interested in practicing more code, you can create an account on code.org



Flappy Intro