

# Information Technology

**Information technology (IT) prepares students for the rapidly expanding and evolving world of hardware and software design, development, and management.**

There are IT career opportunities in virtually every area of the economy, requiring expertise programming and software development, network and system design, web development, data management, and IT support and services. Those in IT careers work in a variety of settings, with a focus on a vast array of priorities such as cyber-attack prevention, network and cloud data management, military security, mobile device app development and management, and IT department support services for companies of all sizes.

Imagine Edgenuity® offers courses designed to prepare students for variety of career options in information technology. Students have access courses in three high-demand IT career pathways: Network Systems and Programming and Software Development pathway. The broad set of CTE electives in the IT cluster provides multiple additional opportunities for students as they build the foundational knowledge and skills to prepare them for further study or career entry in IT jobs.

The number of computer and information technology jobs are expected to grow 12 percent from 2018 to 2028, much faster than the average for all occupations to increased emphasis on cloud computing, big data collection and storage, and information security.<sup>1</sup>



Entry level salary range:  
**\$41,600–\$146,300\*\***



Career Pathways	Information Support and Services	Network Systems	Programming and Software Development
Introductory Course		<input type="checkbox"/> Introduction to Information Technology	<input type="checkbox"/> Fundamentals of Computer Systems**
Concentrator Courses		<input type="checkbox"/> Business Computer Information Systems	
		<input type="checkbox"/> Introduction to Network Systems** <input type="checkbox"/> Network System Design**	<input type="checkbox"/> Fundamentals of Programming and Software Development** <input type="checkbox"/> Software Development Tools**
	<input type="checkbox"/> Animation 1A* eDL <input type="checkbox"/> Animation 1B* eDL <input type="checkbox"/> Computer Applications: Office® 2019 (General Elective) <input type="checkbox"/> Cybersecurity 1A* eDL <input type="checkbox"/> Cybersecurity 1B * eDL <input type="checkbox"/> Digital Literacy* (General Elective) <input type="checkbox"/> Foundations of Game Design 1A: Introduction* eDL	<input type="checkbox"/> Foundations of Game Design 1B: Storytelling, Mechanics, and Production* eDL <input type="checkbox"/> Fundamentals of Digital Media* <input type="checkbox"/> Introduction to Coding* <input type="checkbox"/> Introduction to Computer Science <input type="checkbox"/> Introduction to Information Technology Support and Services*	<input type="checkbox"/> Keyboarding and Applications* Microsoft® Office® Specialist <input type="checkbox"/> New Applications: Web Development in the 21st Century* <input type="checkbox"/> Online Learning and Digital Citizenship* (General Elective)

## Rigorous, engaging, career-relevant course design

Imagine Edgenuity CTE courses introduce students to industries and careers focused on information technology roles and responsibilities, as well as providing opportunities for students to deepen their understanding of the course material by applying academic and technical skills to real-world tasks and learning experiences. Course content focuses on objectives directly related to relevant, current technologies, and practices.

The career focus provides students with a sense of direction that motivates students to stay in school and achieve. Imagine Edgenuity’s CTE courses prepare students for work in information technology industries with learning experiences designed to help students gain critical leadership, communication, teamwork, problem-solving, and interpersonal skills needed to succeed in the world beyond high school. By providing a clear context for learning, Imagine Edgenuity ignites student interest and helps students make informed decisions about their future.



### IMAGINE EDGENUITY’S INFORMATION TECHNOLOGY COURSE FEATURES INCLUDE:

- Career-relevant hands-on projects
- Engaging direct-instruction videos
- Performance rubrics and exemplars to aid in instructor grading
- Contextual vocabulary support to help students with terms and phrases

Learn more at: [imaginelearning.com/CTE](https://imaginelearning.com/CTE)

\*\*US Bureau of Labor Statistics

\*semester course

eDL Imagine Edgenuity offers a suite of eDynamic Learning electives on a subscription basis, allowing students to pursue a large range of interests in language arts, creative arts, STEM, and CTE. These electives are priced separately by enrollment.

<sup>1</sup> Bureau of Labor Statistics. (2020, April). Occupational Outlook Handbook: Computer and Information Technology Occupations.



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