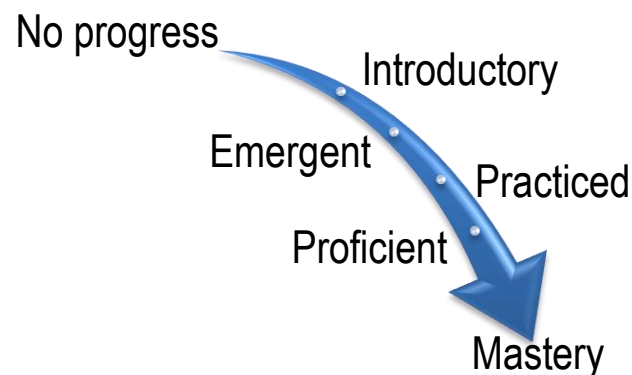


Bachelor of Science in Information Technology

At Kaplan University, we employ a method called **Course-Level Assessment**, or CLA, to determine student mastery of Course Outcomes. Through CLA, we measure how well students gain the skills, knowledge, abilities, and behaviors that employers expect of program graduates. A series of courses prepares students for employment by providing preparation, practice, and opportunities to show mastery of these program outcomes. Each course is developed around a number of learning goals, known as course outcomes, which support a student’s growing mastery of program level outcomes. Faculty members assess each student’s mastery of each course outcome through Course Level Assessments.



Program Measure for *Standard of Success*:

- 80% or more of students attempting the outcome will perform at the **Practiced** level or greater in **100/200** level courses
- 80% or more of students attempting the outcome will perform at the **Proficient** level or greater in **300/400** level courses.

Program Outcome	Course# / Measurement	Assessment/ Evaluation Results: % of students at or greater than Standard	Meets Criteria Yes/No	
BSIT 1 - Technology Skills: Apply current technical tools and methodologies to solve problems.	IT117	Complete a detailed plan for a website project in a formal design document.	99%	Yes
		Apply HTML and images to create professional web pages.	96%	Yes
		Construct a well-designed and fully functional website using HTML and CSS.	99%	Yes
	IT133	Use the computer operating system and cloud-based services to set preferences and manage files.	98%	Yes
		Create documents using various functions of word processing software.	96%	Yes
		Create computer-generated, on-screen presentations.	97%	Yes
		Create spreadsheets using basic spreadsheet functions.	92%	Yes
		Analyze appropriate software application(s) to address solutions within a specific discipline.	94%	Yes
	IT163	Create relational databases with multiple entities and relationships.	96%	Yes
		Create forms to input data.	100%	Yes
Use Structured Query Language (SQL) to manage data.		95%	Yes	

Program Outcome	Course# / Measurement	Assessment/ Evaluation Results: % of students at or greater than Standard	Meets Criteria Yes/No	
		Construct reports to retrieve data.	100%	Yes
	IT213	Create fundamental programs using concepts such as declaring and initializing variables and constants.	94%	Yes
		Create fundamental programs using concepts such as decision statements and iteration.	92%	Yes
		Create fundamental programs using concepts such as functions and arrays.	85%	Yes
	IT232	Examine Object Oriented Programming Concepts.	75%	No
	IT234	Demonstrate the fundamental concepts of Database Management systems.	96%	Yes
		Explore Data Definition Language (DDL) statements to define the database structure or schema.	97%	Yes
		Explore Data Manipulation Language (DML) statements to manage data within schema objects.	98%	Yes
		Discover more advanced SQL such as security commands and logins.	99%	Yes
	IT273	Analyze LAN switching methods and related devices used for data transmission.	97%	Yes
	IT286	Examine the process of risk assessment and network monitoring.	95%	Yes
		Investigate device and infrastructure security, access control, authentication, and authorization.	94%	Yes
		Explain the protection of wireless networks and cloud services, and the hardening of hosts and applications.	96%	Yes
		Examine cryptography methods, vulnerabilities, threats, and malicious attacks.	96%	Yes
		Explore social engineering, security administration, disaster recovery, and incident response.	92%	Yes
	IT331	Plan an effective IT infrastructure based on the needs of an organization.	78%	No
	IT350	Apply fundamental SQL programming concepts.	100%	Yes
		Design simple stored procedures to meet business needs.	100%	Yes
Create aggregated business report datasets to format output and filter data.		96%	Yes	

Program Outcome	Course# / Measurement	Assessment/ Evaluation Results: % of students at or greater than Standard	Meets Criteria Yes/No	
		Utilize Subqueries and Common Table Expressions (CTEs) when solving complicated problems.	100%	Yes
		Use a report builder to display and analyze information generated in an MS SQL Server database.	100%	Yes
		Explore non-relational database alternatives.	100%	Yes
	IT499	Technology Skills: Apply current technical tools and methodologies to solve problems.	86%	Yes
BSIT 2 - Client Specifications: Analyze users' technical issues.	IT190	Describe the components of a computer network.	91%	Yes
	IT213	Apply the debugging and testing processes to programs containing fundamental concepts such as decision statements, iteration, functions, and arrays.	85%	Yes
	IT232	Select appropriate secure data handling techniques.	75%	No
	IT302	Assess the future of haptics in interface designs.	95%	Yes
	IT331	Plan an effective IT infrastructure based on the needs of an organization.	78%	No
	IT350	Utilize Subqueries and Common Table Expressions (CTEs) when solving complicated problems.	100%	Yes
	IT499	Client Specifications: Analyze users' technical issues.	90%	Yes
BSIT 3 - System Specifications: Design information systems.	IT117	Integrate CSS with HTML to create a visually appealing website.	93%	Yes
		Develop HTML forms with form field validation.	95%	Yes
	IT163	Synthesize database concepts needed to effectively design a database.	95%	Yes
	IT213	Create plans for programs using an understanding of historical development of programming techniques and appropriate modeling techniques.	93%	Yes
	IT232	Compose software using advanced interface and program design techniques.	100%	Yes
		Construct Software Test Plan for Validation and Verification of Design Requirements.	87%	Yes
	IT234	Demonstrate the fundamental concepts of Database Management systems.	96%	Yes

Program Outcome	Course# / Measurement	Assessment/ Evaluation Results: % of students at or greater than Standard	Meets Criteria Yes/No	
		Explore Data Definition Language (DDL) statements to define the database structure or schema.	97%	Yes
	IT273	Appraise network architectures, models, topologies, and structures used in networking.	92%	Yes
	IT286	Investigate device and infrastructure security, access control, authentication, and authorization.	94%	Yes
	IT302	Design a user interface with appropriate professional tools.	89%	Yes
	IT331	Plan an effective IT infrastructure based on the needs of an organization.	78%	No
	IT332	Assess data communication and networking options for a computer system.	86%	Yes
	IT460	Apply object-oriented modeling tools and techniques in designing information systems.	91%	Yes
BSIT 4 - Technology Analysis: Evaluate IT trends, practices, and products.	IT190	Describe hardware components.	94%	Yes
		Explain different types of software applications.	90%	Yes
		Discuss the functions of system software.	90%	Yes
		Describe the components of a computer network.	91%	Yes
	IT213	Create fundamental programs using concepts such as declaring and initializing variables and constants.	94%	Yes
		Create fundamental programs using concepts such as decision statements and iteration.	92%	Yes
		Create plans for programs using an understanding of historical development of programming techniques and appropriate modeling techniques.	93%	Yes
		Create fundamental programs using concepts such as functions and arrays.	85%	Yes
		Apply the debugging and testing processes to programs containing fundamental concepts such as decision statements, iteration, functions, and arrays.	85%	Yes
	IT232	Explore various software process models.	100%	Yes

Program Outcome	Course# / Measurement	Assessment/ Evaluation Results: % of students at or greater than Standard	Meets Criteria Yes/No	
	IT234	Investigate analytical and non-relational database alternatives.	98%	Yes
	IT273	Differentiate between the various types of network media, TCP/IP core protocols, and IPv4 addressing schemes typically used in a networked environment.	95%	Yes
		Analyze wide area networks and wireless technologies used in organizational or individual computing.	94%	Yes
	IT332	Analyze the language of computers.	93%	Yes
		Analyze the computer as a system.	94%	Yes
		Evaluate CPU, RAM, input, output and peripheral devices as components used in system architecture.	89%	Yes
	IT460	Compare various types of information systems.	93%	Yes
BSIT 5 - Business Analysis: Evaluate the potential impact of information systems and technology on business processes.	IT232	Explore various software process models.	100%	Yes
	IT234	Explore Data Definition Language (DDL) statements to define the database structure or schema.	97%	Yes
		Explore Data Manipulation Language (DML) statements to manage data within schema objects.	98%	Yes
	IT273	Analyze LAN switching methods and related devices used for data transmission.	97%	Yes
	IT286	Examine the process of risk assessment and network monitoring.	95%	Yes
		Investigate device and infrastructure security, access control, authentication, and authorization.	94%	Yes
		Examine cryptography methods, vulnerabilities, threats, and malicious attacks.	96%	Yes
		Explore social engineering, security administration, disaster recovery, and incident response.	92%	Yes
	IT302	Examine human computer interaction theories and principles.	88%	Yes
		Evaluate human-computer interaction principles and the discovery process.	91%	Yes

Program Outcome	Course# / Measurement	Assessment/ Evaluation Results: % of students at or greater than Standard	Meets Criteria Yes/No	
	IT331	Plan an effective IT infrastructure based on the needs of an organization.	78%	No
		Practice global interconnectedness as it applies to your field of study.	88%	Yes
	IT332	Analyze the language of computers.	93%	Yes
		Analyze the computer as a system.	94%	Yes
		Evaluate CPU, RAM, input, output and peripheral devices as components used in system architecture.	89%	Yes
	MT140	Describe solutions to management problems.	96%	Yes
		Explain the four functions of management.	97%	Yes
		Discuss the steps to manage change.	93%	Yes
		Identify the implications of competitiveness and collaboration in a global economy.	95%	Yes
	BSIT 6 - Project Management: Apply project management practices, tools, and methods.	IT117	Construct a well-designed and fully functional website using HTML and CSS.	99%
IT301		Analyze the Project Management Framework to identify relationships between process groups and knowledge management areas.	83%	Yes
		Create project artifacts to effectively establish project management triple constraints.	76%	No
		Create project artifacts to plan and manage project risk and resources.	80%	Yes
		Create project artifacts to effectively manage and control project execution.	82%	Yes
IT331		Plan an effective IT infrastructure based on the needs of an organization.	78%	No
	Practice global interconnectedness as it applies to your field of study.	88%	Yes	
BSIT 7 - Professional Development: Demonstrate an understanding of the importance of professional development in the IT field.	CM241	Apply fundamental technical communication skills to practice-based situations.	84%	Yes
		Present information using digital media tools for defined audiences.	85%	Yes
	CS204	Identify techniques for maintaining a professional presence.	96%	Yes
		Apply communication skills for promoting a professional image.	98%	Yes
		Assess professional goals for present and future career marketability.	96%	Yes
	IT117	Construct a well-designed and fully functional website using HTML and CSS.	99%	Yes

Program Outcome	Course# / Measurement		Assessment/ Evaluation Results: % of students at or greater than Standard	Meets Criteria Yes/No
	IT273	Practice global interconnectedness as it applies to Information Technology.	91%	Yes
	IT301	Explain why ethics and integrity are important to the field of IT.	81%	Yes
		Practice global interconnectedness as it applies to your field of study.	72%	No
	IT331	Practice global interconnectedness as it applies to your field of study.	88%	Yes
	IT460	Practice team dynamics by participating in a role-play activity.	98%	Yes
	MT140	Discuss the purpose of corporate social responsibility and ethics.	96%	Yes

The CLA data was collected between 9/14/2016 through 9/13/2017.