EMERGING TECH ENTREPRENEURSHIP - CERTIFICATE OF ACHIEVEMENT LEVEL 2

Students who complete the Emerging Tech Entrepreneurship certificates will be exposed to and become proficient in the coursework to become entrepreneurs in a technical field. This program combines the business skills necessary to make sound business decisions with the technical know-how to survive in the 21st century. Students will learn how to build and manage successful modern technical businesses.

Upon successful completion of this program, students will be able to:

- Create and produce documentable solutions to business problems and challenges.
- Identify key issues, research relevant data, and show evidence of analytical thinking about possible solutions for business opportunities and problems.
- Demonstrate knowledge of the influence of the Internet on business and terms relating to the World Wide Web.
- Demonstrate understanding of the impact and application of computers in business, government, and social organizations.
- Work and interact effectively in teams consisting of individuals with differing interests, gender, global backgrounds and professions.
- Create user interfaces and algorithms to solve business problems and user needs.

Certificate Requirements

Course	Title	Credits
Computer Programming		
CIS 106	Introduction to Coding and Python Programming	3
or CIS 024C	Python Programming	
Data Science		
CIS 107	Technest 2: Data Science	3
Internet of Things		
CIS 108	Technest 3: Internet of Things	3
Business and Entrepreneurship		
BUS 068	Entrepreneurship and Small Business Management	3
BUS 082	Introduction to Business	3
Course to enhance understanding of either data or programming (choose one):		3
CIS 020	XML Fundamentals	3
CIS 020A	Advanced XML	3
CIS 022	Database Technology	3
CIS 024A	Perl Programming	3
CIS 024B	PHP Programming	3
CIS 036	Web 2.0 Programming	3
CIS 047	Introduction to Web Development	3
CIS 054	C/C++ Programming	3
CIS 055	Data Structures: Programming	3
CIS 059	Object Oriented Design and Programming	3
CIS 060	Systems Analysis and Design	3
CIS 073	Visual Basic Programming	3
CIS 084	Java Programming	3
Total Units		**18**