

Full Stack Development Immersive Program

2021-2022 Academic Year

2021-2022 Curriculum Map

	PLO 1 Define the concept of “Full Stack” in web development and the basic principles and rules of web design.	PLO2 Describe some of the most used digital languages in industry, their strengths, and applications.	PLO3 Explain data structure and system design techniques for solving problems in different environments and contexts.	PL4 Apply project management methodologies and skills of web development projects in a variety of organizational environments.
<i>FSDI 101: Introductory HTML & CSS</i>	I			
<i>FSDI 102: Intermediate HTML & CSS</i>	R			
<i>FSDI 103: Programming Fundamentals</i>	I			
<i>FSDI 104: JavaScript Fundamentals</i>	I			
<i>FSDI 105: jQuery Fundamentals</i>	I	I		
<i>FSDI 106: JavaScript and jQuery Solutions</i>	R	I		
<i>FSDI 107: Introductory React</i>	R	I		
<i>FSDI 108: Introductory Python</i>	R	I		
<i>FSDI 109: Intermediate React</i>	R	R		
<i>FSDI 110: Introductory Web API with ASP.net/Flask</i>	R	I		
<i>FSDI 111: Intermediate Python and Flask</i>	R	R		

FSDI 112: Introductory Django

FSDI 113: Intermediate Django

FSDI 114: Algorithms and Data Structures

FSDI 115: User Experience and Responsive Design

FSDI 116: Software Development Methodology Fundamentals

FSDI 117: Agile Architecture and Software Project Management

FSDI 118: Capstone I: User Experience

FSDI 119: Capstone II: Agile Methodology and Architecture

FSDI 120: Capstone III: Project Management

R	I		
R	R		
R	R	I	
R	R	I	I
R	R	I	I
R	R	R	R
R	R	R	R
R	R	R	R
M	M	M	M

I (Introduced), **R** (Reinforced), or **M** (Mastered).

Annual Assessment Plan Findings

PLO1: Define the concept of “Full Stack” in web development and the basic principles and rules of web design.

<i>Measure</i>	<i>Acceptable Target</i>	<i>Total Number of student records observed</i>	<i>Total number of students records meeting acceptable target</i>	<i>Assessment results: Percentage of student records meeting acceptable target</i>
Direct Measure: FSDI 116 Final Paper	70% of FSDI 116 students must receive a proficient (C grade) or distinguished evaluation (A or B grade) on relevant content criteria mapped to this PLO.	41	36	87%
Indirect Measure: Final Program Survey	70% or more of students completing the program will express satisfaction on the Final Program Survey by indicating either “Agree” or “Strongly Agree”	25	23	92%

PLO2: Describe some of the most used digital languages in industry, their strengths, and applications.

<i>Measure</i>	<i>Acceptable Target</i>	<i>Total Number of student records observed</i>	<i>Total number of students records meeting acceptable target</i>	<i>Assessment results: Percentage of student records meeting acceptable target</i>
Direct Measure: FSDI 117 Final Paper	70% of FSDI 117 students must receive a proficient (C grade) or distinguished evaluation (A or B grade) on relevant content criteria mapped to this PLO.	41	32	78%
Indirect Measure: Final Program Survey	70% or more of students completing the program will express satisfaction on the Final Program Survey by indicating either “Agree” or “Strongly Agree”	25	22	88%

PLO3: Explain data structure and system design techniques for solving problems in different environments and contexts.

<i>Measure</i>	<i>Acceptable Target</i>	<i>Total Number of student records observed</i>	<i>Total number of students records meeting acceptable target</i>	<i>Assessment results: Percentage of student records meeting acceptable target</i>
Direct Measure: FSDI 114 Final Paper	70% of FSDI 114 students must receive a proficient (C grade) or distinguished evaluation (A or B grade) on relevant content criteria mapped to this PLO.	102	73	72%
Indirect Measure: Final Program Survey	70% or more of students completing the program will express satisfaction on the Final Program Survey by indicating either "Agree" or "Strongly Agree"	25	23	92%

PLO4: Apply project management methodologies and skills of web development projects in a variety of organizational environments.

<i>Measure</i>	<i>Acceptable Target</i>	<i>Total Number of student records observed</i>	<i>Total number of students records meeting acceptable target</i>	<i>Assessment results: Percentage of student records meeting acceptable target</i>
Direct Measure: FSDI 120 Final Paper	70% of FSDI 120 students must receive a proficient (C grade) or distinguished evaluation (A or B grade) on relevant content criteria mapped to this PLO.	50	46	92%
Indirect Measure: Final Program Survey	70% or more of students completing the program will express satisfaction on the Final Program Survey by indicating either "Agree" or "Strongly Agree"	19	18	95%