

## WEB DESIGN AND DEVELOPMENT

### Mobile App Foundations Certificate

*This 30 credit-hour certificate program provides a background in mobile app foundations. Individuals seeking entry-level positions in this field will learn technology behind today's mobile app protocols by developing professional mobile apps. This program will also be useful to individuals whose job scope has expanded to include mobile technology responsibilities.*

Number	Course Title	Credits
CIS 106	Computer Logic and Programming Technology <sup>1</sup>	3
CIS 143	Introduction to Database Systems	3
CIS 211	IT Project Management	3
GRA 145	Wordpress and Mobile Technologies <sup>2</sup>	3
MKT 243	Social Commerce and Sales	3
WEB 110	Internet Fundamentals	3
WEB 140	Mobile Apps	3
WEB 150	Web Foundations	3
WEB 170	Web UX Fundamentals and Prototyping	3
WEB 210	Web Accessibility	3

<sup>1</sup> This course requires math placement in MTH101 or higher. <https://www.harpercollege.edu/testing/mathplacement.php>

<sup>2</sup> This course has a prerequisite of GRA 101 or WEB 110 or WEB 150 with a grade of C or better. For this certificate, students must take WEB 110 or WEB 150.