



Mobile Application Design Certificate Catalog



Mobile & Web Application Design

Program Description

The rapid advance of the mobile application ecosystem has created the need for individuals capable of designing, developing, testing, and implementing software on consumer devices across multiple platforms.

The Web Design Certificate is geared towards individuals who seek to create, innovate, and problem-solve; doing so in a way that marries function with style.

Web applications are dynamic, interactive systems that help businesses perform critical tasks which can increase and measure their organization's productivity. The primary purpose of a well-designed Web application is to functionally assist the end-user's responsibilities according to defined business needs.

The Mobile Application Design Certificate program aims to develop programming skills for both Apple's iOS devices and the open source Android platform. In addition to manipulating and coding software, graduates will receive the skills necessary to effectively promote, advertise and bring their creations to the global market.

Web application development requires an elevated level of knowledge and grasp of programming languages. Ultimately, graduates of this program will achieve the skills needed to create a functional and aesthetic web application.

The Associates of Science in Mobile Application Design aims to develop programming skills for both Apple's iOS devices and the open-source Android platform. In addition to manipulating and coding software, graduates will receive the skills necessary to effectively promote, advertise, and bring their creations to the global market.

Learning Outcomes (AS in Mobile Application Design)

Upon completion of this degree, the student will be able to:

- Demonstrate the ability to deliver a graphic understanding of the project prior to the creative design and content-creating phases.
- Create engaging content and organizing it into usable, efficient, and optimized navigation is most important for a successful application.
- Maintain a specific image to reflect who they are or work for to visually connect with the user audience

Learning Outcomes (Web Application Design Certificate)

Upon completion of this degree, the student will be able to:

- Creating engaging content and organizing it into various categories for easy navigation.
- Understand JavaScript, and implement various programming languages.
- Demonstrate mastery of design in regards to user interfaces.

Learning Outcomes (Mobile Application Design Certificate)

Upon completion of this degree, the student will be able to:

- Demonstrate the ability to deliver a graphic understanding of the project prior to the creative design and content-creating phases.
- Create engaging content and organizing it into usable, efficient, and optimized navigation is most important for a successful application.
- Maintain a specific image to reflect who they are or work for to visually connect with the user audience

Learning Outcomes (Web Design Certificate)

Upon completion of this degree, the student will be able to:

- Creating engaging content and organizing it into various categories for easy navigation.
- Understand JavaScript, and implement various programming languages.
- Maintain a specific image to reflect who they are or work for to visually connect with the user audience

Admissions Requirements

Applicants must possess, at minimum, a high school diploma with at least a 2.0/4.0 GPA. Applicants should have a well-rounded education, gained through general education courses. The Admissions Department will consider writing, speaking, and analytical skills, as demonstrated through high school or collegiate level coursework or professional experience, although professional experience is not a prerequisite for admission. Applicants must submit an application and fee, portfolio, official high school transcript and supporting documents (as requested). Transfer applicants must also submit official transcripts from any/all colleges attended in order to be considered for applied transfer credit(s) at Paier College.

Graduation Requirements

The student must have been admitted as, or have achieved the status of, a matriculated student in the College, and must have attained upper-class or major status.

The student must have completed the last thirty semester hours of work toward his or her degree under the direct auspices of the College. Under exceptional circumstances, the senior academic administrator may slightly modify this requirement.

The student must present an overall cumulative quality point ratio of at least 2.0 and, in addition, must have a quality point ratio of 2.0 or better in those courses taken for credit in the major. The student must have earned the number of semester hours of credit required by the College and must not deviate from the curriculum as displayed in this catalog without the written approval of the appropriate senior academic administrator or his/her designate.

Associates of Science in Mobile Application Design

First Year

Code	Courses	SH/CHW/CHS
Fall		
AS 101	English I	3/3/45
AH 105	History of Western Art I	3/3/45
AS 231	Mathematical Ideas	3/3/45
AS 210	General Psychology	3/3/45
AS 255	Introduction to Biology	3/3/45
	Fall Semester Total:	15/15/225
Spring		
DMCM 254	Mobile Marketing Communications and Design	3/3/45
DMCM 252	Emerging Media – VR, AR, AI, & Robotics	3/3/45
MCOM 252	Web Publishing Usability and SEO	3/3/45
DMCM 250	Affiliate Marketing	3/3/45
AS 251	Business Management	3/3/45
	Spring Semester Total:	15/15/225
	First Year Total:	30/30/450

Second Year

Code	Courses	SH/CHW/CHS
Fall		
CG 160	Introduction to Computer Graphics	2/3/45
AS 267	Effective Speaking	3/3/45
CG 388	Web Page Design I	2/3/45
CG 260	Photo Digital Imaging	2/3/45
WD 302	User-Interface Design	3/3/45
CG 361	Multimedia	2/3/45
CG 389	Web Page Design II	2/3/45
	Fall Semester Total:	16/18/315
Spring		
WD 401	Web Application Design	3/3/45
WD 402	User Experience Design	3/3/45
WD 410	Web Application Design Capstone	3/3/45
DMCM 205	Intro to Digital marketing	3/3/45
WD 411	Mobile Application Design Capstone	3/3/45
	Spring Semester Total:	15/15/225
	Second Year Total:	28/33/495
	Program Total:	58/63/945

Total Program Semester Hours: 58 Total Program Clock Hour Minimum:945

SH = Semester Hours (credits) per semester CHW=Clock Hours (contact time) per week

CHS= represents Clock Hours per semester (15 weeks)

Certificate in Mobile Application Design

First Year

Code	Courses	SH/CHW/CHS
<i>Fall</i>		
CG 160	Introduction to Computer Graphics	2/3/45
CG 388	Web Page Design I	2/3/45
DMCM 205	Intro to Digital Marketing	3/3/45
CG 260	Photo Digital Imaging	2/3/45
	Fall Semester Total:	9/12/180
<i>Spring</i>		
WD 302	User Interface Design	3/3/45
CG 389	Web Page Design II	2/3/45
CG 361	Multimedia	2/3/45
WD 401	Web Application Design	3/3/45
	Spring Semester Total:	10/12/180
	First Year Total:	19/24/360

Second Year

Code	Courses	SH/CHW/CHS
<i>Fall</i>		
WD 402	User Experience Design	3/3/45
WD 403	Mobile Application Design	3/3/45
WD 410	Web Application Design	3/3/45
	Capstone	
WD 411	Mobile Application Design	3/3/45
	Capstone	
	Fall Semester Total:	12/12/180
	Second Year Total:	12/12/180
	Program Total:	31/36/540

Total Program Semester Hours: 31 Total Program Clock Hour Minimum: 540

SH = Semester Hours (credits) per semester CHW=Clock Hours (contact time) per week

CHS= represents Clock Hours per semester (15 weeks)