



# Web Application Design 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

## 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.

## Certificate in Web Design

### Certificate (one 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
WD 302	User Interface Design	3/3/45
Fall Semester Total:		7/9/135
<i>Spring</i>		
CG 361	Multimedia Design	2/3/45
CG 389	Web Page Design II	2/3/45
CG 260	Photo Digital Imaging	2/3/45
Spring Semester Total:		6/9/135
Program Total:		13/18/270

Total Program Semester Hours: 13 Total Program Clock Hour Minimum:240

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

*CHS= represents Clock Hours per semester (15 weeks)*

## Certificate in Web Application Design

### First Semester

Code	Courses	SH/CHW/CHS
CG 160	Introduction to Computer Graphics	2/3/45
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 389	Web Page Design II	2/3/45
CG 361	Multimedia	3/3/45

First Year Total: 14/18/270

### Second Semester

Code	Courses	SH/CHW/CHS
WD 402	User Experience Design	3/3/45
WD 403	Web Application Design	3/3/45
WD 410	Web Application Design Capstone	3/3/45

Second Semester Total 9/9/135

Program Total 23/27/405

Total Program Semester Hours: 29 Total Program Clock Hour Minimum:585

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

*CHS= represents Clock Hours per semester (15 weeks)*