



## College Abilities

Clark College has identified six college-wide abilities that help students apply what they learn. The core abilities are taught across the curriculum and students continually practice and improve their skills in the six areas.

### Communication

The ability to understand and deliver written, spoken and visual communication clearly and accurately.

### Critical Thinking/Problem Solving

The ability to formulate, evaluate and synthesize facts, data, ideas, assumptions, values and points of view.

### Effective Citizenship

The ability to identify community issues; evaluate and respect various opinions and values; and articulate one's own perspective.

### Global/Multicultural Perspectives

The ability to identify, analyze and demonstrate how culture shapes world perceptions, values and behaviors.

### Lifelong Learning

The ability to set and revise goals, access resources and assume responsibility for one's own learning.

### Information/Technology

The ability to identify resources; retrieve and manage data; interpret, evaluate and use information; and adapt to changing technologies.



Clark College does not discriminate on the basis of race, color, national origin, sex, disability, age, religion, sexual orientation, gender identity, gender expression, political affiliation, creed, disabled veteran status, marital status, honorably discharged veteran or Vietnam-era veteran status in its programs and activities.



## Web Design and Development



- Learn new technologies for Web publishing
- Associate in Applied Technology Degree in Web Design and Development



# Web Design and Development

The Computer Technology (CTEC) and Graphic Communications (GRCP) departments at Clark College have collaborated to create a new two-year degree. The Web Design and Development Associate of Applied Technology degree combines front-end web design skills with back-end programming and development to best prepare students for careers involving web-based technologies.

The Graphic Communications (GRCP) program at Clark College has been designed to prepare students for employment in the web, multimedia, printing and publishing industries. Students acquire professional web and print production skills through practical experience with the latest digital media technologies.

Computer Technology (CTEC) offers certificates and degree options for students to prepare for careers in computer programming, support and networking.

Our program has helped students become valuable employees in graphic communications and information technology.

Students must complete all major area courses with a minimum grade of "C" or better in order to successfully complete the program and earn the award.



## Web Design & Development

*Associate in Applied Technology Degree*

### Related Instructional Requirements

#### Communication Skills

ENGL 135 Technical Report Writing I 5 credits

#### Computational Skills

CTEC 121 Intro to Programming & Problem Solving 5 credits

#### Human Relations

CMST& 230 Small Group Communication 5 credits  
or 210 Interpersonal Communication 5 credits  
MGMT 125 Team Building & Group Behavior 3 credits

### Major Area Requirements

#### Digital Literacy

ART 145 Digital Photography I 3 credits  
BTEC 212 E-Commerce: Intro to Business on the Web 3 credits  
CTEC 122 HTML Fundamentals 3 credits  
GRCP 101 Introduction to Electronic Publishing and New Media 5 credits  
GRCP 120 Photoshop Fundamentals 4 credits

#### Web Design

GRCP 210 Interface Design and Interactivity 3 credits  
GRCP 213 Motion Graphics and Animation 4 credits  
GRCP 230 Web Authoring and Design 4 credits  
GRCP 231 Digital Video and Media Integration 4 credits  
GRCP 233 3D Graphics and Animation 4 credits  
or 280 Selected Topics 4 credits

## Web Development

CTEC 126 Introduction to Web Scripting 5 credits  
CTEC 127 Introduction to PHP 4 credits  
CTEC 140 Introduction to UNIX 5 credits  
CTEC 181 Intro to Database Design Using Access 5 credits  
CTEC 227 Advanced PHP 4 credits  
CTEC 241 Scripting with Perl 5 credits  
or 141 Unix System Administration 5 credits  
or 230 Introduction to Network Security 5 credits

## Professional Development

GRCP 240 Capstone Practicum 4 credits  
or  
CTEC 199 Cooperative Work Experience 4 credits  
HDEV 200 Professional Development 2 credits  
MGMT 126 Project Management 3 credits

**Total Credits Required 92 credits**

*(including General Education Requirements)*

Refer to the Degree & Certificate Requirements section in the Clark College Catalog to identify the courses needed to satisfy the General Education Requirements.