WEB DEVELOPMENT MINOR

In Workflow

1. DSCI Director (sbogonie@kent.edu)
2. CI CCC Agenda Role (czingron@kent.edu)
3. CI Dean (areyno24@kent.edu; czingron@kent.edu)
4. Provost (jkellog7@kent.edu; ttillet1@kent.edu; dvan@kent.edu)
5. Educational Policies Council (jkellog7@kent.edu; dvan@kent.edu)
6. Final Catalog Review (Final Catalog Review@kent.edu)

Approval Path

1. Wed, 18 Dec 2019 16:06:25 GMT
   Scott Bogoniewski (sbogonie): Rollback to Initiator
2. Tue, 31 Dec 2019 15:52:38 GMT
   Scott Bogoniewski (sbogonie): Approved for DSCI Director
3. Thu, 02 Jan 2020 14:53:25 GMT
   Catherine Zingrone (czingron): Approved for CI CCC Agenda Role
4. Thu, 02 Jan 2020 17:54:50 GMT
   Amy Reynolds (areyno24): Approved for CI Dean

New Program Proposal

Date Submitted:Mon, 23 Dec 2019 15:36:41 GMT

Viewing:Web Development Minor

Last edit:Tue, 21 Jan 2020 20:47:38 GMT

Changes proposed by: czingron

Reviewer Comments

Catherine Zingrone (czingron) (Thu, 12 Dec 2019 20:20:40 GMT): Scott, under the catalog copy portion, please complete the description of the minor and the program learning outcomes. Thanks.

Scott Bogoniewski (sbogonie) (Wed, 18 Dec 2019 16:06:25 GMT): Rollback: Please update with Dave's notes.

Catherine Zingrone (czingron) (Mon, 23 Dec 2019 15:39:10 GMT): Scott, please update the program learning outcomes so that they address the web development minor specifically and the knowledge and skills students will learn in the minor. Also, please read the description for the minor and let me know if this is okay. Thank you.

Catherine Zingrone (czingron) (Thu, 02 Jan 2020 14:53:10 GMT): Approved at CCI CCC meeting on 12.6.19.

Program Type:

Minor

College:

College of Communication and Information

Department/School:

School of Digital Sciences

Level:

Undergraduate

Program Name:

Web Development Minor

Degree:

Minor

List the delivered modes for the program:

On-Ground

Fully Offered At: List all campuses/locations and methods (e.g., online, accelerated) for which a student can fully complete the program.

• Kent Campus

Lead administrator for this proposal:

School of Emerging Media and Technology (EMAT) faculty

Explain the need for this program:

Web Development is a skill in high demand in the professions and industries we serve. It is also an area in which Kent State does not offer a major or minor. After discussion and consultation (Computer Science; Aeronautics and Engineering; School of Information; College of Business; Applied and Technical Studies), the EMAT faculty suggested a minor as the best way to respond to this need. A major could develop in the future. The minor is a subset of the revised BS curriculum for students wishing to add these skills to any Kent State major.

Are you establishing new or revising courses for this program? If yes, please explain. (You will also need to submit separate course workflows.)

Yes. VCD 21000, EMAT 22110 and EMAT 32110. Course proposals have been submitted for all of these.
All DSCI course will be revised to EMAT

Explain the current or future resources needed to support this program (e.g., faculty, staff, facilities, fiscal):

Current faculty are able to support this minor.

Describe impact on other programs and units. (e.g., duplication issues; enrollment and staffing considerations; need; audience; prerequisites; teacher education licensure):

Several colleges and departments we spoke with about our BS degree revisions encouraged us to offer this minor.

Units consulted (other departments, programs or campuses affected by this proposal):

Units Consulted
College of Aeronautics and Engineering
Department of Computer Science
Department of Management and Information Systems

Catalog Copy

Effective Catalog:

2020-2021

Description: Describe the program as you would to a prospective student.

Web developers are software engineers who understand not only the full technological "stack" that powers modern websites, but who are also conversant in and able to make connections between the design, content and business aspects of web development. Web developers work with content providers, visual designers, and user experience designers. They are coders who use languages such as HTML, CSS, Python, MySQL, PHP as well as frameworks used in web development such as Ruby or React. Web developers are also familiar with Content Management Systems, used to ensure that content and services can be delivered to end users.

The Web Development minor allows students to develop the fundamental skills needed to pursue jobs in web development, web programming, web design and related fields. Students learn technical applications and skills in problem solving, design, user experience, creative applications, and programming. Students have the opportunity to use new and emerging technologies to design engaging multimedia experiences, improve existing systems, and study digital social structures. They will also gain experience working in diverse teams and communicating goals, needs, and processes to peers, clients, and consumers.

Admission Requirements: If program does not have additional admission criteria above and beyond the minimum to be admitted to a Kent State associate or bachelor's degree, write "standard admission criteria for the degree." If program has additional admission criteria (e.g., audition, 3.0 high school GPA, 2.75 overall GPA for transfer students), list those requirements.

Standard admission criteria for the degree

Program Learning Outcomes: List the specific knowledge and skills directly related to the program's discipline that you expect students to acquire as part of their educational experience in the program. The outcomes must be observable and measureable, rather than what students "demonstrate," "understand," "appreciate," etc.

1. Demonstrate competency in the fundamental skills needed to pursue jobs in web development, web programming, web design and related fields.
2. Recognize the rapidly changing nature of web development technology and learn the skills needed to adapt.
3. Assess the societal and individual impact of new/emerging web and mobile technologies.
4. Employ teamwork as a means of solving technical problems related to web development.

Program Requirements:

Code	Title	Credit Hours
Minor Requirements		
CCI 46001 or DSCI 40910	RESPONSIVE WEB DESIGN CAPSTONE IN DIGITAL SCIENCES (ELR)	3

DSCI 15310	COMPUTATIONAL THINKING AND PROGRAMMING	3
EMAT 22110	DATA IN EMERGING MEDIA AND TECHNOLOGY	3
EMAT 32110	MODERN WEB APPLICATION DEVELOPMENT	3
UXD 20001	INTRODUCTION TO USER EXPERIENCE DESIGN	3
VCD 21000	INTRODUCTION TO WEB DESIGN	3
Minimum Total Credit Hours:		18

Total Credit Hours:

18

Progression Requirements

Graduation Requirements

Graduation Requirements: (i.e., minimum grade in specific courses, passage of specific exam)

Minimum Minor GPA

2.000

Key: 626