The Web Programming minor provides students with a foundation in web
development. The minor is for students in any field — from the natural
sciences to social sciences and humanities — allowing them to work with
substantial computing and Internet-oriented cyber systems.

The Web Programming minor allows students to acquire skills and
theoretical foundations needed to create web-related quality software
and gain experience with full-stack development.

Please see the "Web Design & Development" minor offered by the School
of Emerging Media & Technology for a distinct program minor with
greater emphasis on design and front-end development.

Admission Requirements

Admission to a minor is open to students declared in a bachelor’s degree,
the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized
Program major). Students declared only in the A.A. or A.S. degree or the
A.T.S. degree in Individualized Program may not declare a minor. Students
may not pursue a minor and a major in the same discipline.

Program Learning Outcomes

Graduates of this program will be able to:

1. Understand the essential facts, concepts, principles and theories
related to computer science and web programming with data bases.
2. Apply computer science concepts to solve computer and web-related
problems.
3. Design and create web-related quality software by gaining experience
with full stack development.
4. Make succinct oral presentations and written expositions about
technical problems and their solutions.
5. Work effectively as a member of a web-software development team.

Minor Requirements

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MATH 11010</td>
<td>ALGEBRA FOR CALCULUS (KMCR)</td>
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**Graduation Requirements**

<table>
<thead>
<tr>
<th>Minimum Minor GPA</th>
<th>Minimum Overall GPA</th>
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- Students must complete at least two upper-division (30000 or 40000
level) courses in the minor at Kent State on a graded basis (A-F).
- Minimum 6 credit hours in the minor must be upper-division
coursework (30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course
requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be
taken at Kent State (in residence).