PHYSICS - MINOR

College of Arts and Sciences
Department of Physics
103 Smith Hall
Kent Campus
330-672-2246
physics-web@kent.edu
www.kent.edu/physics

Description
The Physics minor allows students with a major or interest in natural sciences, mathematics, education and technology to complement their studies and enhance their academic credentials. Non-science majors may find the Physics minor enhances their knowledge of this useful and fascinating field.

Fully Offered At:
• Geauga Campus
• Kent Campus

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.

Minor Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 11010</td>
<td>ALGEBRA FOR CALCULUS (KMCR)</td>
<td></td>
</tr>
<tr>
<td>MATH 11022</td>
<td>TRIGONOMETRY (KMCR)</td>
<td></td>
</tr>
<tr>
<td>MATH 12002</td>
<td>ANALYTIC GEOMETRY AND CALCULUS I (KMCR)</td>
<td></td>
</tr>
<tr>
<td>MATH 12003</td>
<td>ANALYTIC GEOMETRY AND CALCULUS II</td>
<td></td>
</tr>
</tbody>
</table>

Minor Prerequisites

Minor Requirements

PHY 12000 | INTRODUCTORY PHYSICS SEMINAR (ELR)                    | 1            |
PHY 23101 | GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)             | 5            |
PHY 23102 | GENERAL UNIVERSITY PHYSICS II (KBS) (KLAB)            | 5            |
PHY 30020 | INTERMEDIATE PHYSICS LABORATORY (WIC)                 | 2            |
PHY 36001 | INTRODUCTORY MODERN PHYSICS                           | 3            |
PHY 36002 | APPLICATIONS OF MODERN PHYSICS                        | 3            |
Physics Upper-Division Electives (PHY 30000 or 40000 level) | 3            |

Minimum Total Credit Hours: 22

Graduation Requirements

Minimum Minor GPA
2.000

• 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).