CLINICAL EPIDEMIOLOGY, MSCE

The MSCE is an intensive program for accomplished medical professionals who seek to further their skills as academic investigators. Applicants who possess an advanced degree in medicine, nursing or another health field learn to design controlled epidemiological studies and acquire biostatistical skills that relate directly to their research interests. With close guidance from a primary mentor and a mentorship team, students will gain the ability to hone precise research questions and pursue reliable, complex answers.

For more information: https://www.cceb.med.upenn.edu/master-science-clinical-epidemiology-msce

Curriculum

The MSCE degree is comprised of 14 course units consisting of required core courses, electives, and mentored thesis credits. MSCE students generally register for two course units per term. It is expected that all students receive a B- or better in each of the courses being applied to the MSCE degree.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Course Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPID 510</td>
<td>Introductory Epidemiology</td>
<td>1</td>
</tr>
<tr>
<td>EPID 526</td>
<td>Biostatistics for Epidemiologic Methods I</td>
<td>1</td>
</tr>
<tr>
<td>EPID 527</td>
<td>Biostatistics for Epidemiologic Methods II</td>
<td>1</td>
</tr>
<tr>
<td>EPID 532</td>
<td>Database Management for Clinical Epidemiology</td>
<td>0.5</td>
</tr>
<tr>
<td>EPID 542</td>
<td>Measurement of Health in Epidemiology</td>
<td>0.5</td>
</tr>
<tr>
<td>EPID 546</td>
<td>Clinical Database Research Methodology</td>
<td>0.5</td>
</tr>
<tr>
<td>EPID 560</td>
<td>Issues in Research Protocol Development</td>
<td>0.25</td>
</tr>
<tr>
<td>EPID 570</td>
<td>Critical Appraisal of the Medical Literature</td>
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<tr>
<td>EPID 640</td>
<td>Advanced Topics in Epidemiology</td>
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<tr>
<td>EPID 610</td>
<td>Tutorial in Epidemiologic Research</td>
<td>1</td>
</tr>
<tr>
<td>Elective Requirements ¹</td>
<td>Select a minimum of two course units of electives</td>
<td>4</td>
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<tr>
<td>Master's Thesis ¹</td>
<td></td>
<td>3-5</td>
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<tr>
<td>EPID 900</td>
<td>Master's Thesis (Thesis I)</td>
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</tr>
<tr>
<td>EPID 900</td>
<td>Master's Thesis (Thesis II)</td>
<td></td>
</tr>
<tr>
<td>EPID 900</td>
<td>Master's Thesis (Thesis III)</td>
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<td>EPID 900</td>
<td>Master's Thesis (Thesis IV)</td>
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</tr>
<tr>
<td>EPID 900</td>
<td>Master's Thesis (Thesis V)</td>
<td></td>
</tr>
</tbody>
</table>

IRB Approval and/or Exemption

| Total Course Units | 14          |

¹ Additional electives may be taken in place of two thesis credits, provided the student's thesis is progressing on schedule and their mentor has approved of the plan. All students are required to complete a minimum of three course units of EPID 900.

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2020 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.