MD/MAS Overview

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What is the MAS degree?

Master of Advanced Study in Clinical Research
Why should you get a MAS?

- Learn how knowledge is generated in public health and clinical medicine
- Apply your learning to generate new knowledge
- Enhance chance at success for a career in clinical research

Even if you do not choose a career in research, knowing how knowledge is generated will help you critically evaluate evidence in your medical career.
What does the MAS involve?

Courses

≥ 36 units over 6 quarters

Products of Research

- Comprehensive literature critique
- First-authored abstract presented at scientific meeting
- First-authored manuscript submitted for peer-review

Teaching

Teaching assistant for one course
How is the MAS paid for?

- Yearlong Inquiry Program (TL1) *competitive*
  - Apply for 1 of 10 spots to fund MAS Year 1 tuition and ~$34,800 stipend
  - Due Date to Inquiry Funding Office ~ March 30
  - Only pays for Year 1
- Other grant
- Funds from mentor
- Financial aid
What else should I know about MD/MAS?

- Designing Clinical Research – take SOM Spring or MAS Summer II
- Career Launch
  - Recommend 3 blocks SOM Spring Year 3
  - Advance planning required for away rotations
- SPAN – Final year Fall/Winter Quarters
- Deep Explore Requirement – Satisfied by MAS
- MD with Distinction – Can submit MAS products of research
How do I apply?

1. Yearlong Inquiry Program / Inquiry Funding Office
2. MAS Program Application
   • Rolling admissions Jan – April 30
   • Don’t need to complete graduate division application
Inquiry Funding Office (Yearlong Program)
https://meded.ucsf.edu/inquiry-funding-office

MD/MAS
https://meded.ucsf.edu/md-program/current-students/education-programs/mdmasters-advanced-studies-mdmas

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Back-up Slides
## Curriculum - Required

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<thead>
<tr>
<th>Year 1</th>
<th>Summer</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td>EPI 201 Responsible Conduct of Research</td>
<td>EPI 203 Epidemiologic Methods</td>
<td>EPI 205 Clinical Trials</td>
<td>EPI 212 Publishing/Presenting Research</td>
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<td>EPI 202 Designing Clinical Research</td>
<td>EPI 204 Clinical Epidemiology</td>
<td>BIO 208 Biostatistical Methods II</td>
<td>EPI 214 Systematic Reviews</td>
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<td>EPI 218 Database Management</td>
<td>BIO 200 Biostatistical Methods I</td>
<td>EPI 220/230 TICR Seminar I</td>
<td>BIO 209 Biostatistical Methods III</td>
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<td>BIO 212 Intro. to Statistical Computing</td>
<td>EPI 220/230 TICR Seminar I</td>
<td>EPI 222 Social Determinants of Health</td>
<td>EPI 220/230 TICR Seminar I</td>
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<th>Year 2</th>
<th>Fall</th>
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<td>BIO 210 Biostatistical Methods IV</td>
<td>EPI 221 Master’s Seminar II</td>
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<td>EPI 221 Master’s Seminar II</td>
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<td>BIO 202 Intro. to Science of Big Data</td>
<td>EPI 263 Demographic Methods for Health EPI 264 Spatial Epidemiology</td>
<td>EPI 206 Medical Informatics</td>
<td>EPI 245 Intro. to Translating Evidence into Practice</td>
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<td>EPI 268 Econometric Methods for Causal Inference</td>
<td>EPI 207 Epi Methods II</td>
<td>EPI 248 Community-Engaged Research</td>
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<td>EPI 210 Epidemiology of Aging</td>
<td>EPI 265 Epi Methods III</td>
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<td>EPI 213 Cost-Effectiveness Analysis</td>
<td>EPI 223 Advanced Social Determinants of Health</td>
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<td>EPI 217 Molecular and Genetic Epidemiology</td>
<td>BIO 215 Advanced Analysis of Observational Data</td>
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<td>EPI 246 Individual-Centered Implementation</td>
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<td>EPI 247 System-centered Implementation</td>
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<td>EPI 252 Cancer Epidemiology</td>
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<td>EPI 262 Pharmacoepidemiology</td>
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<td>EPI 266 Modeling of Infectious Diseases</td>
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<td>BIO 226 Statistical Issues in Randomized Trials</td>
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Products of Research

**Comprehensive literature critique**
- Regarding a specific research question in student’s research field
- Complete and unbiased search for all relevant sources
- Objective: demonstrate ability to provide high-level critique of threats to validity and draw conclusions

**First-authored abstract presented at scientific meeting**
- Study of a comparative nature (not a case report/series) or a descriptive study with meaningful sample
- Represents a substantive contribution to the research field

**First-authored manuscript submitted for peer-review**
- Study of a comparative nature or meaningful descriptive study
- May be a comprehensive extension of the abstract
Traditional MD Schedule - FYI