Population Health: Population Health, M.S.

This is a named option within the Population Health M.S. (http://guide.wisc.edu/graduate/population-health-sciences/population-health-ms/)

Admissions

Please consult the table below for key information about this degree program's admissions requirements. The program may have more detailed admissions requirements, which can be found below the table or on the program's website.

Graduate admissions is a two-step process between academic programs and the Graduate School. Applicants must meet the minimum requirements (https://grad.wisc.edu/apply/requirements/ of the Graduate School as well as the program(s)).

Once you have researched the graduate program(s) you are interested in, apply online (https://grad.wisc.edu/apply/).

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Deadline</td>
<td>December 1</td>
</tr>
<tr>
<td>Spring Deadline</td>
<td>The program does not admit in the spring.</td>
</tr>
<tr>
<td>Summer Deadline</td>
<td>The program does not admit in the summer.</td>
</tr>
<tr>
<td>GRE (Graduate Record Examinations)</td>
<td>Required.*</td>
</tr>
<tr>
<td>English Proficiency Test</td>
<td>Every applicant whose native language is not English or whose undergraduate instruction was not in English must provide an English proficiency test score and meet the Graduate School minimum requirements (<a href="https://grad.wisc.edu/apply/requirements/english-proficiency">https://grad.wisc.edu/apply/requirements/english-proficiency</a>). For the Test of English as a Foreign Language, (TOEFL), a minimum score of 580 (written), 237 (computer-based), or 92 (Internet-based) or above is absolutely required. For the International English Language Testing System, (IETLS), a minimum score of 7 is required.</td>
</tr>
<tr>
<td>Other Test(s) (e.g., GMAT, MCAT)</td>
<td>n/a</td>
</tr>
<tr>
<td>Letters of Recommendation</td>
<td>3 Required</td>
</tr>
</tbody>
</table>

* For applicants who have completed a doctoral degree, GRE scores are preferred, but we will accept scores from the entrance exam required for the doctoral degree (e.g., MCAT, LSAT).

Applications are welcome from students with diverse academic backgrounds. Students with strong academic preparation in the biological/medical sciences, quantitative analysis, and/or population health related social sciences are strongly encouraged to apply.

Historically, many applicants who have succeeded in our program have come to the program with backgrounds in fields as diverse as microbiology, genetics, nutritional sciences, medicine, nursing, pharmacy, veterinary medicine, environmental sciences, political sciences, business, sociology, education, engineering, psychology, and economics.

New students are admitted to start in the fall semester of each school year. Applications are due by December 1 of each year. Late applications are not accepted.

Minimum requirements are:

1. Applicants must fulfill all Graduate School requirements.
2. Applicants must have an undergraduate degree with a grade point average of 3.0 (on a 4.0 scale). Successful applicants generally have GPAs well above 3.0.
3. GRE scores no more than five years old are required for admission. Applicants with professional degrees may substitute their scores for the entrance exam that was required for the degree (e.g., MCAT, LSAT), if taken within the last 5 years. For more information on the GRE, see this link (http://www.ets.org/gre/).
4. Applicants whose native language and language of study is not English must submit official TOEFL scores. Scores must be no more than five years old at the start of the semester for which an applicant is applying. Further details are available on the Graduate School website (http://grad.wisc.edu/admissions/requirements/). Note that the minimum test scores for the program are higher than those required by the Graduate School. For the Test of English as a Foreign Language, (TOEFL) (http://www.toefl.org/), a minimum score of 580 (written), 237 (computer-based), or 92 (Internet-based) or above is absolutely required. For the International English Language Testing System, (IETLS) (http://www.ielts.org/), a minimum score of 7 is required. Use ETS institution code 1846.
5. At least one semester of advanced quantitative preparation (calculus is strongly preferred) with a grade of B or better.
6. A personal statement is required.
7. Three letters of recommendation are to be submitted electronically.

Upon entry to the graduate programs, students are matched with a faculty advisor. Faculty advisors helps students hone their interests, assists with identifying research projects, provide support for career development, and link students to the greater campus community. Students have the benefit of regular dialogues with faculty members. Seminars and integrated discussion groups allow for increased interaction with core faculty and community lecturers. Finally, the work of students is valued as evidenced by their entries in the annual department poster session, participation in public health symposia, authorship of publications, and involvement in community/research projects.

Funding

Graduate School Resources

Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information (https://grad.wisc.edu/funding/) is available from the Graduate School. Be sure to check with your program for individual policies and restrictions related to funding.

Requirements

Minimum Graduate School Requirements

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/).
#policiesandrequirementstext), in addition to the program requirements listed below.

## NAMED OPTION REQUIREMENTS

### MODE OF INSTRUCTION

<table>
<thead>
<tr>
<th>Mode of Instruction</th>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

**Mode of Instruction Definitions**

- **Accelerated**: Accelerated programs are offered at a fast pace that condenses the time to completion. Students are able to complete a program with minimal disruptions to careers and other commitments.
- **Evening/Weekend**: Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.
- **Face-to-Face**: Courses typically meet during weekdays on the UW-Madison Campus.
- **Hybrid**: These programs combine face-to-face and online learning formats. Contact the program for more specific information.
- **Online**: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

### CURRICULAR REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Credit Requirement</td>
<td>33 credits</td>
</tr>
<tr>
<td>Minimum Residence Credit Requirement</td>
<td>21 credits</td>
</tr>
<tr>
<td>Minimum Graduate Coursework Requirement</td>
<td>100% of all coursework taken as a graduate student must be in graduate-level coursework; courses with the Graduate Level Coursework attribute are identified and searchable in the university's Course Guide.</td>
</tr>
<tr>
<td>Overall Graduate GPA Requirement</td>
<td>Students must maintain a cumulative GPA of at least 3.25 in all graduate work (including transfer credits) unless conditions for probationary status require higher grades. Students must also maintain a cumulative GPA of 3.25 or better in all coursework completed while enrolled in the graduate program. No grade of BC or lower in required courses will be accepted for the degree.</td>
</tr>
<tr>
<td>Other Grade Requirements and Assessments</td>
<td>Incomplete (I) grades during any semester. No formal examination required.</td>
</tr>
<tr>
<td>Language Requirements</td>
<td>No language requirements.</td>
</tr>
</tbody>
</table>

### REQUIRED COURSES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POP HLTH/B M I 451</td>
<td>Introduction to SAS Programming for Population Health</td>
<td>2</td>
</tr>
<tr>
<td>POP HLTH/B M I 551</td>
<td>Introduction to Biostatistics for Population Health</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH/B M I 552</td>
<td>Regression Methods for Population Health</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 795</td>
<td>Principles of Population Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH/SOC 797</td>
<td>Introduction to Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 820</td>
<td>Graduate Research Seminar</td>
<td>1</td>
</tr>
<tr>
<td>POP HLTH 896</td>
<td>Principles of Population Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 990</td>
<td>Research</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 690</td>
<td>Independent Reading</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 699</td>
<td>Research</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 796</td>
<td>Introduction to Health Services Research</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 798</td>
<td>Epidemiologic Methods</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 805</td>
<td>Advanced Epidemiology: Causal Inference in Epidemiological Studies</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 806</td>
<td>Advanced Epidemiology: Practice of Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH/ I SY E 875</td>
<td>Cost Effectiveness Analysis in Health and Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 876</td>
<td>Measuring Health Outcomes</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH/ A A E/ENVIR ST/ PUB AFFR 881</td>
<td>Benefit-Cost Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

### METHODS CORE COURSES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POP HLTH/B M I 651</td>
<td>Advanced Regression Methods for Population Health</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH/ I SY E 703</td>
<td>Quality of Health Care: Evaluation and Assurance</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 709</td>
<td>Translational and Outcomes Research in Health and Health Care</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 796</td>
<td>Introduction to Health Services Research</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 798</td>
<td>Epidemiologic Methods</td>
<td>3</td>
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</tr>
<tr>
<td>POP HLTH/ A A E/ENVIR ST/ PUB AFFR 881</td>
<td>Benefit-Cost Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

### RESPONSIBLE CONDUCT OF RESEARCH COURSES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>B M I 826</td>
<td>Special Topics in Biostatistics and Biomedical Informatics (Section 008 Ethical Conduct of Research for Data Scientists)</td>
<td>1</td>
</tr>
</tbody>
</table>

1 Students may count up to 5 credits of POP HLTH 990 Research toward the electives requirement, though they may enroll in more than 5. In addition, students may count up to 3 credits of POP HLTH 699 Independent Reading toward the electives requirement, though they may enroll in more than 3.
Students must meet with their advisor once each semester for academic advising.

A student not meeting guidelines for satisfactory progress will be placed on probation to advisor within two years of completing all coursework.

Master's degree students who have been absent for five or more consecutive years lose all credits that they have earned before their absence.

GRIEVANCES AND APPEALS

These resources may be helpful in addressing your concerns:

- Bias or Hate Reporting (https://doso.students.wisc.edu/bias-or-hate-reporting/)
- Graduate Assistantship Policies and Procedures (https://hr.wisc.edu/policies/gapp/#grievance-procedure)
- Hostile and Intimidating Behavior Policies and Procedures (https://hr.wisc.edu/hib/)
  - Office of the Provost for Faculty and Staff Affairs (https://facstaffprovost.wisc.edu/)
- Dean of Students Office (https://doso.students.wisc.edu/) (for all students to seek grievance assistance and support)
- Employee Assistance (https://www.eao.wisc.edu/) (for personal counseling and workplace consultation around communication and conflict involving graduate assistants and other employees, post-doctoral students, faculty and staff)
- Employee Disability Resource Office (https://employeedisabilities.wisc.edu/) (for qualified employees or applicants with disabilities to have equal employment opportunities)
- Graduate School (https://grad.wisc.edu/) (for informal advice at any level of review and for official appeals of program/departmental or school/college grievance decisions)
- Office of Compliance (https://compliance.wisc.edu/) (for class harassment and discrimination, including sexual harassment and sexual violence)
- Office of Student Conduct and Community Standards (https://conduct.students.wisc.edu/) (for conflicts involving students)
- Ombuds Office for Faculty and Staff (http://www.ombuds.wisc.edu/) (for employed graduate students and post-docs, as well as faculty and staff)
- Title IX (https://compliance.wisc.edu/titleix/) (for concerns about discrimination)

Grievance Policy for Graduate Programs in the School of Medicine and Public Health

Any student in a School of Medicine and Public Health graduate program who feels that they have been treated unfairly in regards to educational decisions and/or outcomes or issues specific to the graduate program, including academic standing, progress to degree, professional activities, appropriate advising, and a program’s community standards by a faculty member, staff member, postdoc, or student has the right to complain about the treatment and to receive a prompt hearing of the grievance following these grievance procedures. Any student who discusses, inquires about, or participates in the grievance procedure may do so openly and shall not be subject to intimidation, discipline, or retaliation.
because of such activity. Each program's grievance advisor is listed on
the "Research" tab of the SMPH intranet (https://intranet.med.wisc.edu/).

Exclusions

This policy does not apply to employment-related issues for Graduate
Assistants in TA, PA and/or RA appointments. Graduate Assistants will
utilize the Graduate Assistantship Policies and Procedures (https://
hr.wisc.edu/policies/gapp/) (GAPP) grievance process to resolve
employment-related issues.

This policy does not apply to instances when a graduate student wishes
to report research misconduct. For such reports refer to the UW-Madison
Policy for Reporting Research Misconduct for Graduate Students and
Postdoctoral Research Associates (https://research.wisc.edu/kb-
article/?id=84924).

Requirements for Programs

The School of Medicine and Public Health Office of Basic Research,
Biotechnology and Graduate Studies requires that each graduate
program designate a grievance advisor, who should be a tenured faculty
member, and will request the name of the grievance advisor annually. The
program director will serve as the alternate grievance advisor in the event
that the grievance advisor is named in the grievance. The program must
notify students of the grievance advisor, including posting the grievance
advisor's name on the program's Guide page and handbook.

The grievance advisor or program director may be approached for
possible grievances of all types. They will spearhead the grievance
response process described below for issues specific to the graduate
program, including but not limited to academic standing, progress to
degree, professional activities, appropriate advising, and a program's
community standards. They will ensure students are advised on
reporting procedures for other types of possible grievances and are
supported throughout the reporting process. Resources (https://
grad.wisc.edu/current-students/#reporting-incidents) on identifying and
reporting other issues have been compiled by the Graduate School.

Procedures

1. The student is advised to initiate a written record containing
dates, times, persons, and description of activities, and to
update this record while completing the procedures described
below.

2. If the student is comfortable doing so, efforts should be made
to resolve complaints informally between individuals before
pursuing a formal grievance.

3. Should a satisfactory resolution not be achieved, the student
should contact the program's grievance advisor or program
director to discuss the complaint. The student may approach
the grievance advisor or program director alone or with a UW-
Madison faculty or staff member. The grievance advisor or
program director should keep a record of contacts with regards
to possible grievances. The first attempt is to help the student
informally address the complaint prior to pursuing a formal
grievance. The student is also encouraged to talk with their
faculty advisor regarding concerns or difficulties.

4. If the issue is not resolved to the student's satisfaction, the
student may submit a formal grievance to the grievance advisor
or program director in writing, within 60 calendar days from the
date the grievant first became aware of, or should have become
aware of with the exercise of reasonable diligence, the cause of
the grievance. To the fullest extent possible, a grievance shall
contain a clear and concise statement of the grievance and
indicate the issue(s) involved, the relief sought, the date(s) the
incident or violation took place, and any specific policy involved.

5. On receipt of a written grievance, the following steps will occur.
The final step must be completed within 30 business days from
the date the grievance was received. The program must store
documentation of the grievance for seven years. Significant
grievances that set a precedent may be stored indefinitely.

a. The grievance advisor or program director will convene
a faculty committee composed of at least three
members to manage the grievance. Any faculty
member involved in the grievance or who feels that
they cannot be impartial may not participate in the
committee. Committee composition should reflect
diverse viewpoints within the program.

b. The faculty committee, through the grievance advisor
or program director, will obtain a written response from
the person or persons toward whom the grievance is
directed. The grievance advisor or program director
will inform this person that their response will be
shared with the student filing the grievance.

c. The grievance advisor or program director will share
the response with the student filing the grievance.

d. The faculty committee will make a decision regarding
the grievance. The committee's review shall be
fair, impartial, and timely. The grievance advisor or
program director will report on the action taken by
the committee in writing to both the student and the
person toward whom the grievance was directed.

6. If either party (the student or the person or persons toward
whom the grievance is directed) is unsatisfied with the decision
of the program's faculty committee, the party may file a written
appeal to the SMPH senior associate dean for basic research,
biotechnology and graduate studies within 10 business
days from the date of notification of the program's faculty
committee. The following steps will occur:

a. The grievant will be notified in writing, within 5
business days of the written appeal, acknowledging
receipt of the formal appeal and establishing a
timeline for the review to be completed.

b. The senior associate dean or their designee may
request additional materials and/or arrange meetings
with the grievant and/or others. If meetings occur, the
senior associate dean or their designee will meet with
both the grievant and the person or persons toward
whom the grievance is directed.

c. The senior associate dean or their designee will
assemble an ad hoc committee of faculty from outside
of the student's graduate program and ask them to
prepare a written recommendation on whether to
uphold or reverse the decision of the program on
the student's initial grievance. The committee may
request additional materials and/or arrange meetings
with the grievant and/or others. If meetings occur, the
committee will meet with both the grievant and the
person or persons toward whom the grievance is
directed.
d. The senior associate dean or their designee will make a final decision within 20 business days of receipt of the committee’s recommendation.

e. The SMPH Office of Basic Research, Biotechnology, and Graduate Studies must store documentation of the grievance for seven years. Grievances that set a precedent may be stored indefinitely.

7. The student may file an appeal of the School of Medicine and Public Health decision with the Graduate School. See the Grievances and Appeals section of the Graduate School’s Academic Policies and Procedures (https://grad.wisc.edu/documents/grievances-and-appeals/).

**Time Limits**

Steps in the grievance procedures must be initiated and completed within the designated time periods except when modified by mutual consent. If the student fails to initiate the next step in the grievance procedure within the designated time period, the grievance will be considered resolved by the decision at the last completed step.

**OTHER**

n/a

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**PROFESSIONAL DEVELOPMENT**

**GRADUATE SCHOOL RESOURCES**

Take advantage of the Graduate School’s professional development resources (https://grad.wisc.edu/pd/) to build skills, thrive academically, and launch your career.

**PEOPLE**

**Faculty:** Professors Durkin (chair), Cruickshanks, Gangnon, Kanarek, Mullahy, Oliver, Patz, Remington, M. Smith, Trentham-Dietz; Associate Professors Astor, Bautista, Burns, Ehrenthal, Engelman, Johnson, Malecki, Peppard, Sethi; Assistant Professors Cochran, Green, Lindberg, Myerson, Ouayogode, Pillai, Warren-Andersen