

Request for Graduate Addition, Deletion, or Change of a Major or Degree

NOTE: Before you submit a request for a new Major or Degree, you must submit an INTENT TO PLAN form. Only after the INTENT TO PLAN goes through the approval process are you ready to submit this request for a new Major or Degree. For detailed information on new programs please see: <http://www.bpc.dok.wyo.gov/education/resources/133-11.pdf>.

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one PDF copy without signatures to the Graduate Council Chair.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: CECS

Dept/Division: College

Contact Person: Greg Michaelson

Phone: 304-696-2227

Degree Program Doctor of Philosophy in Engineering 14.0101 CIP

Check action requested: Addition Deletion Change

Effective Term/Year Fall 20 24 Spring 20 Summer 20

Information on the following pages must be completed before signatures are obtained.

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head <u>[Signature]</u>	Date <u>27-Oct-2023</u>
College Curriculum Chair <u>[Signature]</u>	Date <u>10-27-2023</u>
College Dean <u>[Signature]</u>	Date <u>10/31/2023</u>
Graduate Council Chair <u>[Signature]</u>	Date <u>12/18/23</u>
Provost/VP Academic Affairs _____	Date _____
Presidential Approval _____	Date _____
Board of Governors Approval _____	Date _____

Request for Graduate Addition, Deletion, or Change of a Major or Degree-Page 3

3. Current Catalog Description

Insert the *Current* Catalog Description and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

N/A.

Ph.D. in Engineering is a new program.

4. Edits to the Current Description

Attach a PDF copy of the current catalog description prepared in MS WORD with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

Request for Graduate Addition, Deletion, or Change of a Major or Degree-Page 5

Please insert in the text box below your change summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Major or Degree:

Type of Change: *(addition, deletion, change)*

Rationale:

Department: College of Engineering and Computer Sciences

Major or Degree: Doctor of Philosophy in Engineering

Type of Change: Addition

Rationale: To keep its global leadership and competitiveness, it is important for the United States to produce new leaders in engineering to address 21st century engineering problems. One of the HEPC's primary goals of the Vision 2025: West Virginia Science and Technology Plan is to increase the number of doctoral graduates to support research activity and the proposed degree program would align well with this strategic vision. The proposed PhD program in Engineering will enable the concept of approaching applied problems via a holistic solution-oriented approach and graduates will be qualified for a wide array of public-sector and private-sector engineering positions. CECS strongly believes that the establishment of this program is timely given the strong potential of this degree program to increase the College's research impact and productivity, increase the enrollment, and stimulate economic development in the area, meeting the state's job demands that require more advanced research skills and qualifications.

Request for Graduate Course Addition

- 1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
- 2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
- 3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: CECS Dept/Division: _____ Alpha Designator/Number: ENGR Graded CR/NC

Contact Person: GREG MICHAELSON Phone: 304-696-2227

NEW COURSE DATA:

New Course Title: Research Methods for Doctoral Students

Alpha Designator/Number:

E	N	G	R		7	0	1		
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Title Abbreviation:

R	E	S	E	A	R	C	H		M	E	T	H	O	D	S		F	O	R		D	O	C
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(Limit of 25 characters and spaces)

Course Catalog Description: An overview of research methodology, including basic concepts employed in quantitative and qualitative research, defining research problems, collecting, analyzing, recording, and interpreting data to prepare a proposal.
(Limit of 30 words)

Co-requisite(s): _____ First Term to be Offered: FALL 2024

Prerequisite(s): _____ Credit Hours: 3

Course(s) being deleted in place of this addition (must submit course deletion form): _____

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head	Date <u>27-Oct-2023</u>
Registrar 14.0101	Date <u>10.31.2023</u>
College Curriculum Chair	Date <u>10-27, 2023</u>
Graduate Council Chair	Date <u>12-18-23</u>

Request for Graduate Course Addition - Page 4

10. EXAMPLE EVALUATION METHODS (CHAPTER, MIDTERM, FINAL, PROJECTS, ETC.)

1. Literature Review
2. Research Proposal
3. Research Presentation

11. ADDITIONAL GRADUATE REQUIREMENTS IF LISTED AS AN UNDERGRADUATE/GRADUATE COURSE

Not applicable

12. PROVIDE COMPLETE BIBLIOGRAPHY (May be submitted as a separate document)

Journal Transactions by discipline



Marshall University Syllabus

College of Engineering and Computer Sciences

Course

ENGR 701 Research Methods for Doctoral Students

Course Description

An overview of research methodology, including basic concepts employed in quantitative and qualitative research, defining research problems, collecting, analyzing, recording, and interpreting data to prepare a proposal.

Credits

3 CH

Prerequisites

None

Term/Year

Fall 2024

Class Meeting Days/Times

TBD

Location

TBD

Academic Calendar

For beginning, ending, and add/drop dates, see the [Marshall University Academic Calendar](https://www.marshall.edu/academic-calendar/) (URL: <https://www.marshall.edu/academic-calendar/>).

Instructor

TBD

Contact Information

- Office: TBD
- Office Hours: TBD
- Office Phone: TBD
- Marshall Email: TBD

Course student learning outcomes	How students will practice each outcome in this course	How student achievement of each outcome will be assessed in this course
Students will understand and apply experimental, numerical and analytical research methods	in-class exercises, literature reviews, HWs, practice presentations, projects	HWs, projects, exams
Students will collect and analyze data quantitatively and qualitatively, present results	in-class exercises, literature reviews, HWs, practice presentations, projects	projects, presentations

Course Requirements & Grading Policy

Attendance	= 10%
Draft Literature Review (Submitted by the end of Week 3)	= 10%
Revised Literature Review (Submitted by the end of Week 5)	= 5%
Draft Research Proposal (Submitted by the end of Week 8)	= 20%
Revised Research Proposal (Submitted by the end of Week 10)	= 15%
Poster Layout (Submitted by the end of Week 12)	= 10%
Sample Project Budget (Submitted by the end of Week 13)	= 10%
<u>Final Research Presentation (During Finals Week)</u>	<u>= 20%</u>
Total	= 100%
A 90% - 100% B 80% - 89% C 70% - 79% D 60% - 69% F 59% or below	

Attendance/Participation Policy

The attendance policy will follow University's excused absence policy. You are expected to attend all classes.

Request for Graduate Course Addition

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair. If attachments included, please merge into a single file.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: CECS Dept/Division: _____ Alpha Designator/Number: ENGR Graded CR/NC
 Contact Person: GREG MICHAELSON Phone: 304-696-2227

NEW COURSE DATA:

New Course Title: Dissertation Research

Alpha Designator/Number:

E	N	G	R		7	0	2		
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Title Abbreviation:

D	I	S	S	E	R	T	A	T	I	O	N		R	E	S	E	A	R	C	H			
---	---	---	---	---	---	---	---	---	---	---	---	--	---	---	---	---	---	---	---	---	--	--	--

 (Limit of 25 characters and spaces)

Course Catalog Description: (Limit of 30 words) This course is to develop a dissertation with substantial research to contribute to the field of study under the supervision of a dissertation advisor and dissertation committee.

Co-requisite(s): _____ First Term to be Offered: SPRING 2025

Prerequisite(s): ENGR 701 Credit Hours: 1-12

Course(s) being deleted in place of this addition (must submit course deletion form): _____

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head	Date <u>27-01-2023</u>
Registrar 14.0101	Date <u>10.31.2023</u>
College Curriculum Chair	Date <u>10-27-2023</u>
Graduate Council Chair	Date <u>12-18-23</u>

Request for Graduate Course Addition - Page 4

10. EXAMPLE EVALUATION METHODS (CHAPTER, MIDTERM, FINAL, PROJECTS, ETC.)

1. Research Review

11. ADDITIONAL GRADUATE REQUIREMENTS IF LISTED AS AN UNDERGRADUATE/GRADUATE COURSE

Not applicable

12. PROVIDE COMPLETE BIBLIOGRAPHY (May be submitted as a separate document)

None specified



Marshall University Syllabus
College [or School]
[Program]

Course

ENGR 702 Dissertation Research

Course Description

This course is to develop a dissertation with substantial research to contribute to the field of study under the supervision of a dissertation advisor and dissertation committee.

Credits

1 – 12 Hours Graduate

Prerequisites

ENGR 701 and permission of the advisor

Term/Year

TBD

Class Meeting Days/Times

This class will be scheduled with an individual advisor.

Location

TBD

Academic Calendar

For beginning, ending, and add/drop dates, see the [Marshall University Academic Calendar](https://www.marshall.edu/academic-calendar/) (URL: <https://www.marshall.edu/academic-calendar/>).

Instructor

Any qualified graduate faculty with a doctorate.

Contact Information

- Office: TBD
- Office Hours: TBD
- Office Phone: TBD

N/A

University Policies

By enrolling in this course, you agree to the University Policies. Please read the full text of each policy (listed below) by going to [MU Academic Affairs: University Policies](https://www.marshall.edu/academic-affairs/policies/). (URL: <https://www.marshall.edu/academic-affairs/policies/>)

- Academic Dishonesty Policy
- Academic Dismissal Policy
- Academic Forgiveness Policy
- Academic Probation and Suspension Policy
- Affirmative Action Policy
- Pre-Finals Week Policy
- D/F Repeat Rule
- Excused Absence Policy for Undergraduates
- Inclement Weather Policy
- Sexual Harassment Policy- Title IX prohibits the harassment of students based on sex, which includes pregnancy, childbirth, and related conditions. This includes that students will not be penalized for taking medically necessary leave related to pregnancy, childbirth, or related conditions. Marshall's Title IX Office may be contacted at TitleIX@marshall.edu
- Students with Disabilities (Policies and Procedures)
- University Computing Services Acceptable Use Policy

Course Schedule

TBD

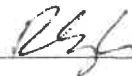

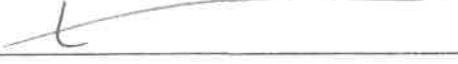

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1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one PDF copy without signatures to the Graduate Council Chair.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: SOMDept/Division: BMRContact Person: Richard EgletonPhone: 6963523Degree Program Medical Sciences MSCheck action requested: Addition Deletion ChangeEffective Term/Year Fall 20 Spring 20 Summer 20 **Information on the following pages must be completed before signatures are obtained.**

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head <u></u>	Date <u>10/18/23</u>
College Curriculum Chair <u></u>	Date <u>10/13/23</u>
College Dean <u></u>	Date <u>10/13/23</u>
Graduate Council Chair <u></u>	Date <u>12/18/23</u>
Provost/VP Academic Affairs _____	Date _____
Presidential Approval _____	Date _____
Board of Governors Approval _____	Date _____

Request for Graduate Addition, Deletion, or Change of a Major or Degree-Page 3

3. *Current Catalog Description*

Insert the *Current* Catalog Description and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

see attached

4. *Edits to the Current Description*

Attach a PDF copy of the current catalog description prepared in MS WORD with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

Request for Graduate Addition, Deletion, or Change of a Major or Degree-Page 5

Please insert in the text box below your change summary information for the Graduate Council agenda. Please enter the information exactly in this way (including headings):

Department:

Major or Degree:

Type of Change: *(addition, deletion, change)*

Rationale:

Department: Biomedical Research

Major or Degree: Biomedical Research M.S. (non-thesis)

Type of Change: Change

Rationale:

The medical sciences program was developed as a master's program to help students prepare for medical school and has been successful in helping many students since its start. With the evolution of medical education in the last few years we need to adapt the program accordingly to help maximize the potential of our students. We currently provide two areas of emphasis for the program under the Biomedical Research (non-thesis) option, a medical sciences option and a research option. The purpose of the requested change is to clarify the academic plans and to update the graduate catalog, we will also clean up some of the language to make it more readable. Currently the information for the two courses is confusing and students have complained about not knowing what to expect. Much of the confusion is related to the many changes that have occurred in the Medical school curriculum, which resulted in classes being changed considerably to match new expectations. This resulted in the Medical Sciences academic plan being put in the catalog twice and the research academic plan being deleted. The hope is that by creating an academic plan that has a core curriculum and clearly showing the difference between the areas of emphasis we will alleviate student frustration. We are also requesting the addition of up-to 12 hours of electives to the program. This is to enable students to explore other areas that are relevant to their future career goals.

Changes in Curriculum and New Academic Plan.

The curriculum will be split into two sections, the core curriculum that consists of 17 credit hours of medically relevant material. The rest of the academic plans will then be based on the emphasis choice of the students either the Medical Sciences, or the Medical Research.

Core Curriculum:

Code	Title	Credits
BMR 601	Intro DNA, RNA & Proteins	3
BMR 602	Intro Cells and Metabolism	3
BMR 603	Regulation Cell Function	2
BMR 604	Cell Basis of Disease	1
BMR 785	Intro to Research	3
BMS 605	Micro Pharm Med Sciences	5
Total		17 credit hours

Medical Sciences Area of Emphasis: Advisor Dr. Todd Green

Code	Title	Credits
ACB 622	Gross Anat/Embryology II	3
BMS 634	Biostat Epidem Med Sci	2
PHS 629	Mammalian Physiology	6
PMC 621	Medical Pharmacology I	6
PMC 622	Medical Pharmacology II	2
Electives	Recommended by Advisor	0-12
Total		19 – 31 credit hours

This would give a total of 36 – 46 credit hours for the degree (Core + Emphasis)

Students in this emphasis area will also be required to do a comprehensive final exam.

Medical Research Area of Emphasis: Advisor Dr. Richard Egleton

Code	Title	Credits
PHS 667	Experimental Approach to Physiology	4
CTS 600	Epi Used in Med Research	3
CTS 630	Team Science	2
BMR 882	Research	9
BMR 644	Research Conduct	1
Electives	Recommended by Advisor	0-12
Total		19 – 31 credit hours

This would give a total of 36 – 46 credit hours for the degree



Office of Biomedical Education

October 12, 2023

As Assistant Dean of Biomedical Education and head of the Biomedical Research (BMR) Medical Sciences M.S. program, I support the proposed changes in the BMR M.S. programs. These changes do not compete with the Medical Sciences program nor are they a duplication.

Todd L. Green
Assistant Dean of Biomedical Education
green@marshall.edu

WE ARE MARSHALL

1542 Spring Valley Drive • MEB 151 • Huntington, West Virginia 25704 • Tel: 304/696-3531 • <http://jcesom.marshall.edu>
A State University of West Virginia • An Affirmative Action/Equal Opportunity Employer

Research program of the Marshall University Joan C. Edwards School of Medicine <https://icesom.marshall.edu/research/>.

Applicants are directed to apply through the Biomedical Sciences Centralized Application System (BioMedCAS, <https://biomedcas.liaisoncas.org/>). Completion of a secondary application once admitted is also required; instructions will be sent from the department to the applicant. Interested persons should visit <https://icesom.marshall.edu/research>, e-mail mubiomed@marshall.edu, and/ or call 304-696-3365.

Persons interested in the Medical Sciences M.S. program (non-thesis) should visit <https://icesom.marshall.edu/students/ms-in-biomedical-research-with-medical-sciences-emphasis/>, e-mail medicallsciences@marshall.edu, and/or call 304-696-3531.

Minimum Admission Requirements

- A baccalaureate degree from an accepted, accredited college or university.
- Successfully completed, with a grade of C or better, one year of general biology, physics, general chemistry, and organic chemistry, all with associated laboratories. A semester of biochemistry or molecular biology is also required.
- A recommended minimum Grade Point Average (GPA) of 3.0.
- A recommended minimum GPA of 3.0 in combined science and math courses.
- Official transcript(s) from undergraduate degree granting institution(s). Transcripts for post-baccalaureate or graduate coursework may be required at the discretion of the program.
- Departmental materials: three recommendations, program online form, written statement addressing educational and career goals, CV/ resume.

The GRE is not required; however, GRE scores can be submitted to strengthen your application. Applications are accepted on a rolling basis and are reviewed until the class is filled. Applications are only considered once we have received all required documentation.

Applications are accepted on a rolling basis and are reviewed until the class is filled. Applications will be considered after the priority deadline until June 30, if openings are available. International applicants should adhere to the deadlines set in place by the Office of International Admissions.

The Medical Sciences M.S. (non-thesis) program admits students in both the fall and spring terms.

Applications are accepted on a rolling basis and are reviewed until the class is filled. The application deadline for fall admission is June 30. The application deadline for spring admission is December 1. International applicants should adhere to the deadlines set by the Office of Admissions.

Request for Change of a Major or Degree Medical Sciences

Code	Title	Credit Hours
PHS 629	Mammalian Physiology	6
PMC 621	Medical Pharmacology I	6
PMC 622	Medical Pharmacology II	2
Total Credit Hours		36

Course List

Electives

Elective classes include BMS 609 (Orthopedics and the Neural Network).

19 hours per week while earning a minimum of \$10/hour. Students are expected to stay in good academic standing.

Also offered is the combined M.D./Ph.D. Students in this program blend the discovery of new knowledge with clinical medicine at the intersection of science and medicine. M.D./Ph.D. Most graduates work as physician-scientists at medical schools, conducting disease-related research and applying the results to the treatment of patients. They have a unique perspective on both the basic science and clinical science behind disease. Further general information is available at the Association of American Medical Colleges website (aamec.org).

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Admission Requirements

Applicants must meet the admission requirements of both Marshall University Graduate Admissions (<http://marshall.edu/admissions/graduate/>) - and the Biomedical Research program of the Marshall University Joan C. Edwards School of Medicine <https://icesom.marshall.edu/research/>.

Applicants interested in the Medical Research area of emphasis are directed to apply through the Biomedical Sciences Centralized Application System (BioMedCAS, <https://biomedcas.liasoncas.org/>). If you have any questions, visit <https://icesom.marshall.edu/research/office-of-research-and-graduate-education/graduate-education-programs/master-of-science-in-biomedical-research-ms-nonthesis-with-medical-science-and-research-emphasis/> or email mubiomed.marshall.edu, and or call 304-696-3365. Completion of a secondary application once admitted is also required; instructions will be sent from the department to the applicant. Interested persons should visit <https://icesom.marshall.edu/research>, e-mail mubiomed@marshall.edu, and/or call 304-696-3365.

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Applicants interested in the Persons interested in the Medical Sciences area of emphasis M.S. program (non-thesis) should visit <https://icesom.marshall.edu/students/ms-in-biomedical-research-with-medical-sciences-emphasis/>, e-mail medalsciences@marshall.edu, and/or call 304-696-3531.

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Minimum Admission Requirements

- A baccalaureate degree from an accepted, accredited college or university.
- Successfully completed, with a grade of C or better, one year of general biology, physics, general chemistry, and organic chemistry, all with associated laboratories. A semester of biochemistry or molecular biology is also required.
- A recommended minimum Grade Point Average (GPA) of 3.0.
- A recommended minimum GPA of 3.0 in combined science and math courses.

Program Requirements

A minimum of 36 credit hours is required for the non-thesis degree.

In addition:

- the students in the Medical Sciences area of emphasis must pass a written comprehensive examination covering their courses.
- Students in the Medical Research area of emphasis must present their research at a scientific conference that has been approved by their advisor.
- In addition, after 12 hours of coursework has been completed, the student must submit an M.S. Plan of Study form to the Office of Graduate Studies.
- To remain in good academic standing and to graduate, the student must have a minimum graduate GPA of 3.0.

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Plan Of Study

All Biomedical Research, M.S. (Non-Thesis) students are required to successfully complete the following core curriculum: Medical Sciences Area of Emphasis)

All

students are required to successfully complete the following core curriculum:

Code	Title	Credit Hours
Core Curriculum		
ACB 622	Gross Anat/Embryology II	3
BMR 601	Intro DNA, RNA & Proteins	3
BMR 602	Intro Cells and Metabolism	3
BMR 603	Regulation Cell Function	2
BMR 604	Cell Basis of Disease	1
BMR 785	Intro to Research	3
BMS 605	Micro Pharm Med Sciences	5
BMS 634	Biostat-Epidem-Med-Sci	2
PHS 629	Mammalian Physiology	6
PMC 621	Medical Pharmacology I	6

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Code	Title	Credit Hours
PHS 667	Experimental Approach to Physiology	4
CTS 600	Epi Used in Med Research	3
CTS 630	Team Science	2
BMR 882	Research	9
BMR 644	Research Conduct	1
Electives	Recommended by Advisor	0-12
Total Credit Hours		19-31

Course List

A minimum of 36 credit hours are required to graduate. In addition, students will have to present their research at a conference approved by their academic advisor. Elective classes include BMS 609 (Orthopedics and the Neural Network).

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Applicants interested in the Medical Sciences area of emphasis should visit <https://jcesom.marshall.edu/students/ms-in-biomedical-research-with-medical-sciences-emphasis/>, e-mail medicallsciences@marshall.edu, and/or call 304-696-3531.

Minimum Admission Requirements

- A baccalaureate degree from an accepted, accredited college or university.
- Successfully completed, with a grade of C or better, one year of general biology, physics, general chemistry, and organic chemistry, all with associated laboratories. A semester of biochemistry or molecular biology is also required.
- A recommended minimum Grade Point Average (GPA) of 3.0.
- A recommended minimum GPA of 3.0 in combined science and math courses.
- Official transcript(s) from undergraduate degree granting institution(s). Transcripts for post-baccalaureate or graduate coursework may be required at the discretion of the program.
- Departmental materials: three recommendations, program online form, written statement addressing educational and career goals, CV/ resume.

The GRE / MCAT is not required; however, GRE / MCAT scores can be submitted to strengthen your application. Applications are accepted on a rolling basis and are reviewed until the class is filled. Applications are only considered once we have received all required documentation.

The BMR masters (non-thesis) program admits students in both the fall and spring terms.

Applications are accepted on a rolling basis and are reviewed until the class is filled. The application deadline for fall admission is June 30. The application deadline for spring admission is December 1. International applicants should adhere to the deadlines set by the Office of Admissions.

Conditional Admission

The program may admit applicants conditionally, for one term, pending receipt of the final official transcript from the undergraduate degree-granting institution.

Duration of Degree Program

Students are expected to complete the degree within two years.

Entry Term

BMR M.S. (non-thesis) students can matriculate in either the fall or spring term.

Program Requirements

A minimum of 36 credit hours is required for the non-thesis degree.

Code	Title	Credit Hours
Medical Sciences Area of Emphasis		
ACB 622	Gross Anat/Embryology II	3
BMS 634	Biostat Epidem Med Sci	2
PHS 629	Mammalian Physiology	6
PMC 621	Medical Pharmacology I	6
PMC 622	Medical Pharmacology II	6
Electives	Recommended by Advisor	0-12
Total Credit Hours		19-31

Course List

A minimum of 36 credit hours are required to graduate. In addition, students will have to pass the comprehensive final exam.

Medical Research Area of Emphasis

Code	Title	Credit Hours
Medical Research Area of Emphasis		
PHS 667	Experimental Approach to Physiology	4
CTS 600	Epi Used in Med Research	3
CTS 630	Team Science	2
BMR 882	Research	9
BMR 644	Research Conduct	1
Electives	Recommended by Advisor	0-12
Total Credit Hours		19-31

Course List



**ACCELERATED MASTER'S DEGREE (AMD)
Program Proposal**

Chair: Tracy Christofero

GC#10: AMD

Prepare **one** paper copy with all signatures and forward to the Graduate Council Chair. Additionally, send **one** identical ELECTRONIC COPY with all supporting documentation as an e-mail attachment by to the Graduate Council Chair for electronic distribution to the Graduate Council Curriculum Committee.

Guidelines for an AMD Proposal

Accelerated Master's Degree Programs may be developed between an undergraduate and graduate program in a single department, between two programs in a single school/college or between programs in two different schools/colleges. AMD programs enrich the opportunities of the best undergraduates at Marshall University, enabling them to earn a Bachelor's and Master's degree in much less time than it would take following the traditional path. AMD students do not double count credits. They can take up to 12 graduate credits to be applied to the master's degree in place of 12 undergraduate elective credits. They will earn the undergraduate degree with up to 12 fewer credit hours, depending on how many graduate hours they take.

Rationale: The proposal should identify the rationale or need for an AMD, and, if the undergraduate and graduate programs are in different departments, clarify how they are appropriate for the AMD.

Rationale: Both the Bachelor of Social Work and the Master of Social Work programs are in the same departments and housed within the same building. Most students complete the BSW program in December. BSW students beginning their junior year can elect to participate in the AMD by being provisionally admitted to the MSW program, and taking courses from the 600 level MSW program instead of electives from the BSW program up to 12 hours. AMD students who graduate in December will then be fully admitted to the MSW program, will begin classes in January (Spring semester), and will complete the MSW program during the spring and summer semesters. Students will complete the BSW/MSW program in 9 semesters.

Admission Requirements: The proposal should state whether admission requirements for the AMD differ from regular admission requirements (e.g. waive test scores).

Admission Requirements: Admission requirements that are currently in place are the same for the BSW and MSW programs. However the Accelerated MSW program requires that students have a Social Work GPA of 3.30 by the end of the 2nd Semester of their junior year in the BSW program to be provisionally admitted to the AMD. Students are required to provide one academic reference from the Marshall University BSW program, apply for provisional admission to the MU MSW program, and complete an AMD plan of study by the end of their junior year.

AMD Credits: The proposal may allow an undergraduate student to earn a maximum of 12 credits in approved graduate courses to be applied to the master's degree. These 12 credits take the place of 12 undergraduate electives. Please note the maximum allowed credits.

AMD Credits:

Curriculum: The proposal should show how a student can complete the Bachelor's degree by lowering the number of undergraduate credits (up to 12) with up to 12 graduate credits that will apply to the master's degree.

Curriculum:	Regular MSW Advanced Standing Program	Accelerated MSW Program
	BSW Junior Year 29 credit hours + 3 credit hours of electives	BSW Junior Year 29 credit hours + 3 credit hours MSW
	BSW Senior Year 30 credit hours + 9 credit hours of electives	BSW Senior Year 30 credit hours + 9 credit hours of MSW
	Graduate BSW -December 2023	Graduate BSW -December 2023
	Admission of BSW to ADV Standing MSW -August 2024	Full Admission to ADV Standing - January 2024
	Graduate MSW program August 2025	Graduate MSW program August 2024
	BSW Junior 1st Semester - BSW 13 credit hours	
	BSW Junior 2nd Semester -BSW 13 credit hours	
	BSW Junior/Senior Summer Semester 12 cr. hours field practicum/Fall Semester 6 BSW credit hours + 9 MSW cr. hours	

Student Eligibility: AMD applicants must have a minimum over-all grade point average of 3.30 and 3.30 in the major. Programs may require a higher GPA. Please note your required GPA.

Student Eligibility: Only those students who have a 3.30 GPA in Social Work by the end of the 2nd semester of their junior year will be eligible for provisional admission to the Accelerated Master of Social Work program. Students may take 1 MSW elective during the 2nd Semester of their BSW junior year prior to being provisionally admitted to the MSW program.

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 1

- 1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
- 2. E-mail one PDF copy without signatures to the Graduate Council Chair. If attachments included, please merge into a single file.
- 3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: CAM Dept/Division: School of Music
 Contact Person: Vicki Stroehler Phone: 304-696-6437

Action Requested

Check action requested: Addition Deletion Change

Degree Program Music MA

Area of Emphasis Music Theory and Composition

Effective Term/Year Fall 20 Spring 20 24 Summer 20

Notifications

Attach a copy of written notification regarding this curriculum request to the following:

- 1. Statement of Non-Duplication: If this area of emphasis will be similar in title or content to an existing area of emphasis, please send a memo to the affected department/division and include a copy with this packet as well as the response received from the affected department.
- 2. If your department/division requires additional faculty, equipment, or specialized materials, attach an estimate of cost and time required to secure these items.

Change the name of the AOE GF23 from "Music Theory and Composition" to "Music Composition". GFZ6
(Delete) (Add)

Signatures: If disapproved at any level, do not sign. Return to previous signer with recommendation attached.

Dept. Chair/Division Head <u>[Signature]</u>	Date <u>10/23/23</u>
Registrar <u>[Signature]</u>	Date <u>10/24/2023</u>
College Curriculum Chair <u>[Signature]</u>	Date <u>Nov. 1, 2023</u>
College Dean <u>[Signature]</u>	Date <u>November 2023</u>
Graduate Council Chair <u>[Signature]</u>	Date <u>12/18/23</u>
Provost/VP Academic Affairs _____	Date _____
President _____	Date _____

Request for Graduate Addition, Deletion, or Change of Area of Emphasis-Page 3

5. **Current Catalog Description**

Insert the *Current* Catalog Description and page number from the latest catalog for entries you would like to change.
(May attach separate page if needed)

No changes apart from the name change "Music Theory and Composition" to "Music Composition".

6. **Edits to the Current Description**

Attach a PDF copy of the current catalog description prepared in MS Word with strikethroughs to mark proposed deletions and use the highlight function to indicate proposed new text.

7. **New Catalog Description**

Insert a 'clean' copy of your proposed description, i.e., no strikethroughs or highlighting included. This should be what you are proposing for the new description. (May attach separate page if needed)

No changes apart from the name change "Music Theory and Composition" to "Music Composition".

Monday, October 23, 2023 at 11:25:20 Eastern Daylight Time

Subject: RE: Graduate Council Minutes 2009–2010
Date: Thursday, October 19, 2023 at 4:06:10 PM Eastern Daylight Time
From: Hanrahan, Elizabeth
To: Stroehler, Vicki
CC: Saunders, Martin
Attachments: image001.png, image002.png

Vicki,
Thank you – we will investigate further.

Elizabeth E. Hanrahan
Director of Student and Academic Initiatives
Office of the Registrar
304/696-5455

From: Stroehler, Vicki <stroeherv@marshall.edu>
Sent: Thursday, October 19, 2023 3:59 PM
To: Hanrahan, Elizabeth <hanrahan@marshall.edu>
Cc: Saunders, Martin <m.saunders@marshall.edu>
Subject: FW: Graduate Council Minutes 2009–2010

Elizabeth,

The “Music Theory & Composition” emphasis in the M. A. in Music (GF20) was changed in January of 2006 to “Music Composition”. The evidence is on pages 649 and 652 of the document below.

<https://www.marshall.edu/graduate-council/files/2012/11/Minutes-Fall-2004-Spring-2010.pdf>

Thank you!!

Vicki

Vicki P. Stroehler, Ph.D.

Professor of Music History
Program Director
School of Music
Marshall University
1 John Marshall Drive
Huntington, WV 25755-2232
304-696-6437

From: Davis, Scott <davis1090@marshall.edu>
Date: Thursday, October 19, 2023 at 9:29 AM

Monday, October 23, 2023 at 13:30:31 Eastern Daylight Time

Subject: Re: Curriculum Form for Composition
Date: Monday, October 23, 2023 at 8:29:37 AM Eastern Daylight Time
From: Saunders, Martin
To: Stroeher, Vicki
CC: Gindhart, Maria
Vicki,

Here is the language from the NASM Visitor's Report regarding the MA in Composition offering and their concerns:

"(3) Title/Content Consistency – This degree program title is unclear. Whereas the NASM listing states, "Master of Arts in Music Composition," and the Self-Study states, "Master of Arts in Music with Emphasis in Composition," the Marshall University Course Catalog lists, "Master of Arts with an Emphasis in Music Theory and Composition." The School of Music does not have robust offerings in music theory at the graduate level. This specialized master's program focuses on composition, while theory coursework is a supportive area. It is not clear whether the institution intends for both areas constitute a double major, or whether the degree objectives are an emphasis in just one of these areas. The visitors assume the former based upon the degree title."

Martin

From: Stroeher, Vicki <stroeherv@marshall.edu>
Date: Sunday, October 22, 2023 at 1:34 PM
To: Saunders, Martin <m.saunders@marshall.edu>
Cc: Gindhart, Maria <gindhart@marshall.edu>
Subject: Re: Curriculum Form for Composition

Martin,

Anything that will help get this through!!

Best,
Vicki

Vicki P. Stroeher, Ph.D.

Professor of Music History
Program Director
School of Music
Marshall University
1 John Marshall Drive
Huntington, WV 25755-2232
304-696-6437

Request for Graduate Non-Curricular Changes

PLEASE USE THIS FORM FOR ALL NON-CURRICULAR CHANGE REQUESTS (changes in admission requirements or requirements for graduation, changes in existing or new policies/procedures, changes in program descriptions in catalog, general language changes in catalog).

SIGNATURES may not be required, depending on the nature of the request and from where it originates. Consult Graduate Council Chair.

1. Prepare one paper copy with all signatures and supporting material and forward to the Graduate Council Chair.
2. E-mail one identical PDF copy to the Graduate Council Chair.
3. **The Graduate Council cannot process this application until it has received both the PDF copy and the signed hard copy.**

College: COHP Dept/Division: Public Health

Contact Person: Dr. Anthony Woart Phone: 304-696-5772

Rationale for Request:

We would like to request suspension of the following MPH program pathways and concentrations.

- MPH-Research, Evaluation and Policy concentration
- BS-MPH- Global & Community Health concentration
- BS-MPH- Research, Evaluation and Policy concentration
- PharmD-MPH Dual degree pathway.

There are no students enrolled currently in MPH-Research, Evaluation and Policy concentration. There are no students in other pathways/concentration. Due to financial and accreditation concerns, we request suspension of these concentrations/pathways.


We would also like to request a change in plan of study. We would like to replace PH 686- Health Information Technology with PH 615- Health Systems Research as the core course. These courses are already approved and are being offered currently.

Additionally, the MPH program is always a 44 credit hour program. However, it is currently indicated as 62 hours as it counted the electives and required students to take the same course twice (counted twice as the courses PH 694 and PH 695).

Signatures: if disapproved at any level, do not sign. Return to previous signer with recommendation attached.

NOTE: all requests may not require all signatures.

Department/Division Chair  Date 9/20/2023

Registrar  Date 9/20/2023

College Curriculum Committee Chair Zach Garrett Date 9/27/23
(or Dean if no college curriculum committee)

Graduate Council Chair  Date 12/18/23

NOTE: please complete information required on the following pages before obtaining signatures above.

Overview

Program Description

The Master of Public Health degree provides education and training to equip students for a broad range of careers including work in public health practice, research and policy. The program trains students in not only fundamental public health subjects (including epidemiology, biostatistics, environmental health, socio-behavioral factors, and public health services), but also addresses critical cross-cutting competencies involving global and community health (GCH).

Admission Requirements

Students may be admitted to study for either fall or spring semester. Limited credit (6 hours maximum) may be granted to students transferring from CEPH-accredited programs.

Applicants must follow the admissions process at the Graduate Admissions website at www.marshall.edu/graduate/admissions/how-to-apply-for-admission. Specific additional program requirements include:

- Admitted students must hold a bachelor's degree from an accepted, accredited college or university with a minimum undergraduate grade-point average of 2.5 on a 4.0 scale. Waivers to the requirement may be made in exceptional circumstances, such as when prior satisfactory graduate school performance has been demonstrated.
- Submission of three (3) letters of recommendation. At least two must from previous faculty if the applicant has engaged in full-time post-secondary study in the previous five years.
- Resume of work history or curriculum vitae, to describe both post-secondary work and study.
- Personal statement not to exceed two pages in length.

Applications are evaluated on a competitive basis, and individual interviews may be utilized in the admissions process.

Program Requirements

The Master of Public Health program with a concentration in global and community health (GCH) requires 44 hours of coursework. First-year students gain a strong foundation of a broad core curriculum and are prepared for rotations and employment experiences in just two semesters.

Practicum training is complemented by a second year capstone composed of a comprehensive exam coupled with the development of a grant proposal or similar comprehensive assessment. The program may be completed in 4 semesters.

Students must maintain a Grade Point Average of 3.0 or better throughout the program.

Plan Of Study

First Year

FIRST SEMESTER	CREDIT HOURS
PH 601 Intro Public Health	1
PH 602 Public Health Biology	2
PH 611 Epidemiology	3
PH 621 Statistical Methods I	3
PH 671 Community Health	3
Credit Hours	12
SECOND SEMESTER	
PH 631 Environmental Health	2
PH 641 Social Behavioral Aspects PH	2
PH 642 Health Communications	2
PH 655 Intro Health Policy	2
PH 693 Law and Ethics	3
Credit Hours	11
Second Year	
THIRD SEMESTER	
PH 615 Health Sys Research	3
PH 661 Chronic Disease	3
PH 672 Global Health	3
PH 694 Practicum	3
Credit Hours	12
FOURTH SEMESTER	
PH 692 Seminar	1
PH 651 Public Health Services	2
PH 662 Control of Inf Disease	3
PH 696 Capstone	3
Credit Hours	9
Total Credit Hours	44

Overview

Program Description

Program Description

The Master of Public Health degree provides education and training to equip students for a broad range of careers including work in public health practice, research and policy. The program trains students in not only fundamental public health subjects (including epidemiology, biostatistics, environmental health, socio-behavioral factors, and public health services), but also addresses critical cross-cutting competencies involving global and community health (GCH).

Two concentrations are offered, with a common core composed of training in not only fundamental public health subjects (including epidemiology, biostatistics, environmental health, sociobehavioral factors, and public health services), but also addressing critical cross-cutting competencies.

Students may elect one of two concentrations. Specialization in Global and Community Health (GCH) provides training focused on the critical need for community health professionals skilled in risk assessment, education, intervention, and program management—particularly in communities facing high disease burdens and limited resources. A second concentration in Research, Evaluation and Policy (REP) is designed to train health professionals with advanced training in research methods, biostatistics, analysis, and health policy to equip graduates to help produce systemic improvements in care delivery and value.

Admission Requirements

Students may be admitted to study for either fall or spring semester; however, spring matriculation for study in Research, Evaluation and Policy is made only in exceptional circumstances. Limited credit (6 hours maximum) may be granted to students transferring from CEPH-accredited programs.

Applicants must follow the admissions process at the Graduate Admissions website at www.marshall.edu/graduate/admissions/how-to-apply-for-admission. Specific additional program requirements include:

- Admitted students must hold a bachelor's degree from an accepted, accredited college or university with a minimum undergraduate grade-point average of 2.5 on a 4.0 scale. Waivers to the requirement may be made in exceptional circumstances, such as when prior satisfactory graduate school performance has been demonstrated.
- Submission of three (3) letters of recommendation. At least two must be from previous faculty if the applicant has engaged in full-time post-secondary study in the previous five years.
- Resume of work history or curriculum vitae, to describe both post-secondary work and study.
- Personal statement not to exceed two pages in length.

Applications are evaluated on a competitive basis, and individual interviews may be utilized in the admissions process.

PH 672	Global Health	3
PH 694	Practicum	3
	Credit Hours	12
FOURTH SEMESTER		
PH 692	Seminar	1
PH 651	Public Health Services	2
PH 662	Control of Inf Disease	3
PH 696	Capstone	3
	Credit Hours	9
	Total Credit Hours	44

The Master of Public Health requires 44 hours of coursework. First-year students gain a strong foundation of a broad core curriculum and are prepared for rotations and employment experiences in just two semesters.

Practicum training is complemented by a second year capstone composed of a comprehensive exam coupled with either a manuscript or a research thesis. The program may be completed in 4 semesters. In addition, three- and four-year study plans permit coordinated dual degree study.

Students choose from concentrations in either Global and Community Health (GCH) or Research, evaluation and Policy (REP).

Accelerated Master's Degree in Public Health

An Accelerated master's degree with the B.S. in Health Sciences will allow Health Sciences students to take a full semester load of M.P.H. courses in their final year. Twelve credit hours of undergraduate electives taken in the senior year of the B.S. in Health Sciences will be replaced with 12 credits from the first year of the M.P.H. program. Specifically, the M.P.H. courses for the senior year of the B.S. will include:

Code	Title	Credit Hours
Fall Semester of Senior Year of BS in Health Sciences		
PH 601	Intro Public Health	1
PH 602	Public Health Biology	2
PH 611	Epidemiology	3

Spring Semester

PH 655	Intro Health Policy	2
PH 661	Chronic Disease (GCH)	3
PH 672	Global Health (GCH)	3
PH 616	Clinical Trials (REP)	3
PH 617	Meth Comp Study	3
PH 694	Practicum	3
or PH 695	or Research	
-	Credit Hours	17
FOURTH SEMESTER		
PH 692	Seminar (elective)	1
PH 651	Public Health Services	2
PH 656	Topics in Health Policy (REP)	3
PH 662	Control of Inf Disease (GCH)	3
PH 694	Practicum	3
PH 696	Capstone	3
-	Credit Hours	15
-	Total Credit Hours	62

Plan of Study Grid

PHARMACY, DUAL DEGREE: PHARM.D. AND M.P.H.

Overview

Students admitted to the School of Pharmacy may also seek admission to the College of Health Professions to pursue a Master of Public Health (M.P.H.) degree. Students selecting this option will be awarded the Pharm.D. and M.P.H. degrees at the same time. The application procedure and the student's enrollment status will vary depending on the student's undergraduate degree. All students wishing to pursue the dual degree option must first consult with the Pharm.D. advisor regarding when they should apply for admission. Students who are admitted to the M.P.H. program will be advised by a Pharm. D. advisor and an M.P.H. advisor. The advisors are responsible for ensuring students are making appropriate progress toward both degrees, enroll in the proper sequence of courses, and enroll in the proper section of the courses.

Plan Of Study

Students must choose one of the two tracks in the M.P.H. program: Global and Community Health or Research, Evaluation and Policy in year 1 of the Program.

Global and Community Health Track

Code	Title	Credit Hours
P-1 Year (Year 1 of Program)		
	Required P-1 Pharmacy Courses	36
P-2 Year (Year 2 of Program)		
	Required P-2 Pharmacy Courses	37
M.P.H. Year (Year 3 of Program)		
<i>Fall (12 credits)</i>		
PH 601	Intro Public Health	1
PH 655	Intro Health Policy	2
PH 611	Epidemiology	3
PH 621	Statistical Methods I	3
PH 671	Community Health	3
or PH 615	Health Sys Research	
Cont. Longitudinal IPPE		
<i>Spring (12 credits)</i>		
PH 641	Social Behavioral Aspects PH	2
PH 631	Environmental Health	2
PH 651	Public Health Services	2
PH 693	Law and Ethics	3
PH 662	Control of Inf Disease	3
or PH 656	Topics in Health Policy	

Code	Title	Credit Hours
PH 601	Intro Public Health	1
PH 655	Intro Health Policy	2
PH 611	Epidemiology	3
PH 621	Statistical Methods I	3
PH 615	Health Sys Research	3
Cont. Longitudinal IPPE		
Spring (12 credits)		
PH 641	Social Behavioral Aspects PH	2
PH 631	Environmental Health	2
PH 651	Public Health Services	2
PH 693	Law and Ethics	3
PH 656	Topics in Health Policy	3
Cont. Longitudinal IPPE		
Summer (8 credits)		
PH 616	Clinical Trials	3
PH 622	Statistical Methods II	2
PH 617	Meth Comp Study	3
P-3 Year (Year 4 of Program)		
Complete all P-3 pharmacy courses, including electives.		34
PH 694	Practicum (needs to be taken during spring)	3
P-4 Year (Year 5 of Program)		
Summer, Fall, Springs APPEs (APPE management elective required)		40
Pharmacy Capstone		4
PH 696	Capstone (needs to be taken during spring)	3

Overview

Program Description

Program Description

The Master of Public Health degree provides education and training to equip students for a broad range of careers including work in public health practice, research and policy. Two concentrations are offered, with a common core composed of training in not only fundamental public health subjects (including epidemiology, biostatistics, environmental health, sociobehavioral factors, and public health services), but also addressing critical cross-cutting competencies.

Students may elect one of two concentrations. Specialization in Global and Community Health (GCH) provides training focused on the critical need for community health professionals skilled in risk assessment, education, intervention, and program management - particularly in communities facing high disease burdens and limited resources. A second concentration in Research, Evaluation and Policy (REP) is designed to train health professionals with advanced training in research methods, biostatistics, analysis, and health policy to equip graduates to help produce systemic improvements in care delivery and value.

Admission Requirements

Students may be admitted to study for either fall or spring semester; however, spring matriculation for study in Research, Evaluation and Policy is made only in exceptional circumstances. Limited credit (6 hours maximum) may be granted to students transferring from CEPH-accredited programs.

Applicants must follow the admissions process at the Graduate Admissions website at www.marshall.edu/graduate/admissions/how-to-apply-for-admission. Specific additional program requirements include:

- Admitted students must hold a bachelor's degree from an accepted, accredited college or university with a minimum undergraduate grade-point average of 2.5 on a 4.0 scale. Waivers to the requirement may be made in exceptional circumstances, such as when prior satisfactory graduate school performance has been demonstrated.
- Submission of three (3) letters of recommendation. At least two must be from previous faculty if the applicant has engaged in full-time post-secondary study in the previous five years.
- Resume of work history or curriculum vitae, to describe both post-secondary work and study.
- Personal statement not to exceed two pages in length.

Applications are evaluated on a competitive basis, and individual interviews may be utilized in the admissions process.

FIRST SEMESTER		CREDIT HOURS
PH 601	Intro Public Health (elective)	1
PH 602	Public Health Biology (elective)	2
PH 611	Epidemiology	3
PH 621	Statistical Methods I	3
PH 671	Community Health (GCH)	3
PH 615	Health Sys Research (REP)	3
Credit Hours		15
SECOND SEMESTER		
PH 641	Social Behavioral Aspects PH	2
PH 631	Environmental Health	2
PH 686	Health Information Technology (elective)	3
PH 693	Law and Ethics (elective)	3
PH 616	Clinical Trials (Health Communications) (GCH)	3
PH 622	Statistical Methods II (REP)	2
Credit Hours		15
Second Year		
THIRD SEMESTER		
PH 655	Intro Health Policy	2
PH 661	Chronic Disease (GCH)	3
PH 672	Global Health (GCH)	3
PH 616	Clinical Trials (REP)	3
PH 617	Meth Comp Study	3
PH 694	Practicum	3
or PH 695	or Research	
Credit Hours		17
FOURTH SEMESTER		
PH 692	Seminar (elective)	1

standing in both programs and eligible to receive both degrees at the end of the term will be reclassified as Fully Admitted to the M.P.H. program. Students who withdraw or are dismissed from the Pharm.D. program will also be withdrawn from the M.P.H. program regardless of level of degree completion or academic standing.

Program Requirements

Successful completion of the following courses will result in receipt of both a Master of Public Health (44 SCH degree¹) and Doctor of pharmacy degrees (151 SCH degree).

Please note that 6 credits hours from Pharm.D. program are dual counted toward the M.P.H. degree. Thus, students receive a 44 SCH M.P.H. degree, although they only take 38 credit hours in the M.P.H. program.

1

Students must choose one of the two tracks in the M.P.H. program: Global and Community Health or Research, Evaluation and Policy.

Proposed Schedule for Pharm.D./M.P.H. Students

Curriculum for students with a minimum of 62 hours. *Note:* Through this pathway, students are admitted to the MPH program in their third year of the dual degree program.

Students are advised to take most of the core/foundational courses and all concentration-specific courses during the third year of the program. Any remaining foundational M.P.H. courses are taken during P3 and P4 years. Students will be able to maintain their Pharmacy Intern License while they are in the M.P.H. program.

Plan Of Study

Students must choose one of the two tracks in the M.P.H. program: Global and Community Health or Research, Evaluation and Policy in year 1 of the Program.

Global and Community Health Track

Code	Title	Credit Hours
P-1 Year (Year 1 of Program)		
	Required P-1 Pharmacy Courses	36
P-2 Year (Year 2 of Program)		

Code	Title	Credit Hours
P-3 Year (Year 4 of Program)		
Complete all P-3 pharmacy courses, including electives.		34
PH 694	Practicum (needs to be taken during spring)	3
P-4 Year (Year 5 of Program)		
Summer, Fall, Springs APPEs (APPE management elective required)		40
Pharmacy Capstone		4
PH 696	Capstone (needs to be taken during spring)	3
Total Credit Hours		189

Course List

Research, Evaluation & Policy Track

Code	Title	Credit Hours
P-1 Year (Year 1 of Program)		
Required P-1 Pharmacy Courses		36
P-2 Year (Year 2 of Program)		
Required P-2 Pharmacy Courses		37
M.P.H. Year (Year 3 of Program)		
<i>Fall (12 credits)</i>		
PH 601	Intro Public Health	1
PH 655	Intro Health Policy	2
PH 611	Epidemiology	3
PH 621	Statistical Methods I	3
PH 615	Health Sys Research	3
Cont. Longitudinal IPPE		
<i>Spring (12 credits)</i>		
PH 641	Social Behavioral Aspects PH	2