

Montana University System
PROGRAM REVIEW

Institution: **UM - Missoula**

Program Years: **2020-2021**

List of the programs reviewed:

Programs Reviewed

- Biomedical & Pharmaceutical Sciences
- Communication Studies
- Environmental Studies
- Geography
- Human & Family Development
- Integrative Physiology and Athletic Training
- Interdisciplinary Studies
- Latin American Studies
- Mathematical Sciences
- Political Science
- South and Southeast Asian Studies
- Wildlife Biology

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

See individual reviews.

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Institution: **University of Montana – Missoula**

Program Years: **2014-2020**

List of the programs reviewed:

B.S. in Pharmaceutical Sciences

M.S. in Medicinal Chemistry

Ph.D. in Medicinal Chemistry

M.S. in Pharmaceutical Sciences and Drug Design

Ph.D. in Pharmaceutical Sciences and Drug Design

M.S. in Toxicology

Ph.D. in Toxicology

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Skaggs School of Pharmacy is accredited by the Accreditation Council for Pharmacy Education, which awarded the maximum 8 years of accreditation in 2020. The Department of Biomedical and Pharmaceutical Sciences (BMED) completed a self-study in October 2021, examining the department's graduate programs: Toxicology, Pharmaceutical Sciences and Drug Design, and Medicinal Chemistry, which have produced graduates with great successes both before their graduation, as well as in their positions after graduation. Students have won presentation awards at national meetings, have had more than 60 publications in peer-reviewed journals, and have been awarded prestigious fellowships. After graduation, these students have careers in academia, industry, and government. Central to these graduate programs are faculty who are both dedicated to mentoring graduate students & managing competitive research laboratories—maintaining strong track records in terms of both publications and extramurally funded research projects. A true strength of the BMED programs lies in the interdisciplinary nature of the research being conducted by the faculty and the ability to offer & deliver curriculum between the various graduate programs that stresses multidisciplinary and collaborative approaches.

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With the challenges of the current budget constraints of the department, the graduate programs will need to continue the work of consolidating course offerings to be more efficient and expanding the research support base. Increased faculty research funding will allow more students to be admitted to the programs, although the current stipend levels and lack of support for health insurance decrease the programs' ability to be competitive with their peers. Program directors should encourage the participation of graduate students on Skaggs School of Pharmacy standing committees where appropriate.

The number of majors and graduates is given below:

Skaggs School of Pharmacy

Major	Degree	Degrees Conferred						
		FY14	FY15	FY16	FY17	FY18	FY19	FY20
Pharmaceutical Sciences	BS							
Medicinal Chemistry	PHD		1	1				
Neuroscience	MS	2	1					
Neuroscience	PHD	1	1	1	3			1
Pharm Sci and Drug Design	MS	2	1				2	
Pharm Sci and Drug Design	PHD	1			1		1	1
Pharmacy	PHARMD	62	62	65	65	59	59	58
Toxicology	MS		2				1	
Toxicology	PHD	3	4	2		1	1	2
PHARMD-MBA	Dual	1		2	4	3	5	2*
PHARMD-MS	Dual	1				1		*
PHARMD-MPH	Dual				1			1*

Major	Degree Level	Fall Census Headcounts						
		Fall 13	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18	Fall 19
Pharmaceutical Sciences	BS							
Medicinal Chemistry	MS			1				
Medicinal Chemistry	PHD	4	4	2	3	2	1	3
Neuroscience	MS	1						
Neuroscience	PHD	11	8	5	5	5	4	2
Pharm Sci and Drug Design	MS		1	1	1	4	4	1
Pharm Sci and Drug Design	PHD	6	4	7	5	6	6	9
Pharmacy	PHARMD	253	254	251	243	238	239	227
Toxicology	PHD	8	9	6	8	7	7	5

*These dual degree counts are also counted in the Pharmacy PHARMD.

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Institution: University of Montana – Missoula

Program Years: 2014-2020

List of the programs reviewed:

Communication Studies B.S., with options in:

- Communication and Human Relationships
- Organizational Communication
- Rhetoric and Public Discourse

Communication Studies M.S.

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Department of Communication Studies completed a self-study in September 2020, and their external reviewer, Dr. Greg Dickinson from Colorado State University, completed their review in December 2020. Based on the self-study and external review report, Communication Studies displays significant strengths, which include faculty members who are consistently recognized for excellence in teaching and research through publishing and awards, as well as a curriculum that prepares students for the workplace by combining theoretical frameworks and practical skills alongside liberal arts values with more career-centered outcomes. The program also maintains an internship program which delivers outstanding experiences for students, with most students participating in an internship even with the large number of majors. The program boasts high numbers in class enrollments, majors, graduates, and graduate students, and the mentoring of TA's is very strong, with students and alumni having achieved high outcomes.

To enhance and improve the offerings, the program should seek to develop curriculum that is geared towards high-demand areas, including public relations and strategic communications. The program should also find ways for faculty to have face-to-face connection with students outside of the classroom as the professional advising model is implemented. Additionally, the program should explore the possibility of realigning the program, taking sources of TA lines into consideration, as well as launching the Health Communications certificate and developing a plan for marketing it to students. Lastly, the program should a faculty handbook and/or by-laws to outline the roles and responsibilities of the chair, and formalize the structure of the department.

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The number of majors and graduates is given below:

		Degrees Conferred						
Major	Degree	FY14	FY15	FY16	FY17	FY18	FY19	FY20
Communication	Minor	13	15	18	19	3	11	9
Communication	BA	84	79	88	85	51	58	48
	BA - Comm & Human Relationships	12	13	14	13	8	4	6
	BA - Organizational Communication	32	26	21	25	13	16	14
	BA - Rhetoric and Public Discourse	5	1	6	3	4	3	2
Communication	MA	7	5	7	2	4	7	4

		Fall Census Headcounts						
Major	Degree Level	Fall 13	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18	Fall 19
Communication	Minor	22	28	37	24	18	25	22
Communication	BA	254	258	231	193	166	188	147
	BA - Comm & Human Relationships	11	9	11	9	9	12	15
	BA - Organizational Communication	38	43	37	34	23	40	37
	BA - Rhetoric and Public Discourse	3	2	1	1	1	1	5
Communication	MA	12	13	13	12	17	16	12

Please note that all concentration counts are subsets of the major counts.

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Institution: University of Montana – Missoula

Program Years: 2014-2020

List of the programs reviewed:

Environmental Studies Minor

Environmental Studies B.A.

Environmental Studies M.S.

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Department of Environmental Studies completed a self-study in September 2019, and their external reviewer, Dr. Andrew Szasz from the University of California, Santa Cruz, completed their review in February of 2020. Based on the self-study and external review report, the Environmental Studies program deserves commendation for its many strengths, which include having a high-quality graduate program, attracting quality students and maintaining high matriculation numbers, along with an undergraduate program that is also nationally recognized. Additionally, the department maintains an authentically interdisciplinary curriculum, with a strong commitment to community-outreach and experiential learning (effectively modeling “Partner with Place”). The program is mission-driven, with a clear focus on developing future leaders. This is evidenced by the success of alumni in government and non-profit leadership positions around the state and beyond. Lastly, the program has passionate faculty, who provide strong mentoring and tremendous experiences for students. Each faculty member has received a teaching award in recent years, and the level of service provided is also exemplary.

To enhance and improve the offerings of the program, the program should work with Dean of CHS to resolve questions around the reimagining process, as well as support and build on the "environment" theme in H&S and UM as a whole. The program should also look to increase contact with prospective undergraduate students, as well as improve advertising of new curricular offerings, especially the Sustainability Science and Practice BS.

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The number of majors and graduates is given below:

Environmental Studies

		Degrees Conferred						
Major	Degree	FY12	FY13	FY14	FY15	FY16	FY17	FY18
Environmental Studies	Minor	2	4	1	4	5	3	2
Environmental Studies	BA	31	43	31	34	32	40	26
Environmental Studies	MS	20	24	17	26	19	17	22

		Fall Census Headcounts						
All Majors	Degree	2013	2014	2015	2016	2017	2018	2019
Environmental Studies	Minor	10	12	8	9	3	7	9
Environmental Studies	BA	167	148	138	133	130	119	106
Environmental Studies	MS	53	55	54	51	52	55	53

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Institution: **University of Montana – Missoula**

Program Years: **2014-2020**

List of the programs reviewed:

Geography Minor

Geography Minor – Mountain Studies

Geography Certificate – GIS

Geography B.A., with a concentration in:

- Community & Environmental Planning

Geography B.S., with a concentration in:

- Physical Geography

M.A. in Geography

M.S. in Geography, with concentrations in:

- Cartography and GIS
- Community & Environmental Planning

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Department of Geography completed a self-study in September 2019, and their external reviewer, Alexander Murphy from the University of Oregon, completed their review in February 2020. Based on the self-study and external review report, the Geography program deserves commendation for its many strengths, such as being a long-standing leader in GIS, cartography, and environmental planning for the state and region, and developing a strong network of alumni and other stakeholders across the nation. The program has increased its efficiency and collaboration as a result of its move into College of Forestry, as the discipline connects closely with other FCFC departments. Additionally, the Geography program has championed curricular innovation in partnership with other FCFC departments, particularly the new

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Environmental Science and Sustainability major, and has maintained impressive results for graduates, including high rates of job placement and Fulbright recipients. These strengths combine to create a strong culture of institutional and community service among faculty within the program.

To enhance and improve the offerings of the program, the Geography program should work with Dean Townsend on addressing curricular needs in relation to lost faculty lines (due to retirements), should increase publicity/outreach to prospective students, especially undergraduates, and should explore opportunities for online programs, especially the GIS certificate. The program should also work to develop partnerships with industry leaders, as well as build a GI science support hub to provide support for students and the community.

The number of majors and graduates is given below:

Geography

		Degrees Conferred						
Major	Degree	FY12	FY13	FY14	FY15	FY16	FY17	FY18
Geography	Minor		1		2	3	2	2
Geography	Minor - Mountain Studies	12	8	4	13	4	3	5
Geography	Certificate - GIS	15	29	23	31	23	26	34
Geography	BA	11	9	14	22	7	10	11
Geography	BA - Community & Environmental Plng	3	4	5	6	3	3	3
Geography	BS	10	12	3	10	5	7	6
Geography	BS - Physical Geography	4	2		2		1	2
Geography	MA	1		2	2	1		
Geography	MS	8	8	6	7	3	4	10
Geography	MS- Cartography and GIS	3	1	2	3	1	2	4
Geography	MS - Community & Environmental Planning	2	1	1				1

		Fall Census Headcounts						
All Majors	Degree Level	2012	2013	2014	2015	2016	2017	2018
Geography	Minor	5	4	5	7	7	9	13
Geography	Minor - Mountain Studies	18	25	24	17	13	15	17
Geography	BA	56	54	47	30	40	35	26
Geography	BA - Community & Environmental Plng	8	9	8	6	12	6	4
Geography	BS	16	21	15	14	15	22	20
Geography	BS - Physical Geography	3	2	5	5	7	7	13
Geography	MA	6	6	2	4	3	2	2
Geography	MS	20	12	12	12	18	22	15
Geography	MS- Cartography and GIS	7	6	4	4	7	7	4
Geography	MS - Community & Environmental Plng	5	4	4	1	3	6	5

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Institution: **University of Montana – Missoula**

Program Years: **2014-2020**

List of the programs reviewed:

Human & Family Development minor

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Human & Family Development minor completed a self-study in September 2019, and their external reviewer, Dr. Aryn Dotterer from Utah State University, completed their review in August 2021. Based on the self-study and external review report, the program deserves commendation for its many strengths, such as having a strong history as a sustainable program within the university. The program continues to be of interest to both students & community partners, with high level of satisfaction among the supervisors of experiential learning opportunities for students in the program. Additionally, the program provides students with a sense of cultural competence—whether they go into the workforce, graduate work, or in their own family lives. When they complete the minor, students have gained an intersectional understanding of the layers of oppression, as well as the ability to speak clearly about those ideas.

To enhance and improve the offerings, the program should seek to imbed itself into an academic unit, as the minor's current home—The Rural Institute—is not an academic unit. An academic home would be able to serve as a resource behind the minor, allowing for administrative support, and potentially new hires who could teach classes within the minor. Additionally, if the program is able to find administrative & teaching support, the program could be promoted among advisors more widely, as there is room to increase enrollment within the minor, as well as open up additional sections of the courses/seminars.

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The number of majors and graduates is given below:

Health and Family Development

		Degrees Conferred						
Major	Degree	FY13	FY14	FY15	FY16	FY17	FY18	FY19
Health and Family Development	Minor	9	10	16	3	15	8	9

		Fall Census Headcounts						
Major	Degree	Fall 12	Fall 13	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18
Health and Family Development	Minor	20	15	18	13	19	20	14

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Institution: **University of Montana – Missoula**

Program Years: **2014-2020**

List of the programs reviewed:

Geography Minor

Geography B.A., with a concentration in:

- Community & Environmental Planning

M.A. in Geography

M.S. in Geography, with concentrations in:

- Community & Environmental Planning
-

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Department of Integrative Physiology and Athletic Training completed a self-study in September 2020, and their external reviewer, Edmund Acevedo from Virginia Commonwealth University, completed their review in December 2020. Based on the self-study and external review report, the School of Integrative Physiology and Athletic Training deserves commendation for achievements in a number of areas: their faculty members perform extremely well in research, are highly cited, and most are significantly grant-funded. The Schools also enjoys a national reputation, particularly for the Integrative Physiology program, with IPAT remaining one of the top 5 enrolled programs at UM. Further, strong external partnerships exist with area hospitals, youth sports organizations, and tribal communities. Centers, such as the Montana Youth Sports Safety Institute (MYSSI), bolster innovation, and the MAT has excellent student outcomes, with 100% of students moving into a healthcare field and 97% of students passing board certification.

To enhance and improve the offerings of the program, the Department of Integrative Physiology and Athletic Training should develop a strategy with their dean to address the high student-to-faculty ratio, which is currently in violation of accreditation standards. Beyond that, the department should explore new opportunities for external funding, including building relationships with community healthcare organizations; discuss with UMHM leadership. The department should seek to raise funds and enthusiasm

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for facility renovations; work with UMF CoH development officer Explore grants with the Office of Research that could fund equipment repairs and replacements, and work with University leadership—Marketing and Communications—to develop new marketing materials and outreach. Lastly, the department should develop a sustainable staffing plan and propose a solution for sharing the extremely high advising load.

The number of majors and graduates is given below:

Integrative Physiology and Athletic Training

Major	Degree	Degrees Conferred						
		FY13	FY14	FY15	FY16	FY17	FY18	FY19
Athletic Training	BS	9	9	8				
Health & Human Performance	BS	57	84	98	85	101	105	109
	BS - Exercise Science - Applied		5	9	10	16	25	19
	BS - Exercise Science	39	31	18	1		1	
	BS - Exercise Scn - PreProfessional	1	16	32	43	48	43	49
Health Behavior Coaching	Certificate						3	
Athletic Training	MAT			4	6	7	11	15
Health & Human Performance	MS	7	13	8	11	6	14	9
	MS - Exercise Science	2	8	5	7		8	5

		Fall Census Headcounts						
		Fall 12	Fall 13	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18
Athletic Training	BS	84	83	58	23	1		
Health & Human Performance	BS	467	471	517	536	524	485	377
	BS - Exercise Science - Applied	34	54	57	69	66	68	59
	BS - Exercise Science	116	69	36	12	4	1	1
	BS - Exercise Scn - PreProfessional	141	176	232	267	252	227	184
Health Behavior Coaching	Certificate							
Athletic Training	MAT		5	11	15	19	25	28
Health & Human Performance	MED			1				
Health & Human Performance	MS	29	27	22	24	24	29	23
	MS - Exercise Science	11	8	5	3	11	16	12

Montana University System
PROGRAM REVIEW

Institution: **University of Montana – Missoula**

Program Years: **2014-2020**

List of the programs reviewed:

M.A. in Interdisciplinary Studies

M.I.S in Interdisciplinary Studies

M.S. in Interdisciplinary Studies

Ph.D. in Disciplinary Studies

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Interdisciplinary Studies program completed a self-study in October 2020, and their external reviewer, Dr. William Huckle from Virginia Tech University, completed their review in May 2021. Based on the self-study and external review report, the Interdisciplinary Studies program deserves commendation for its many strengths, which includes providing a flexible and welcoming setting for students, adding to institutional doctoral productivity while serving the broader regional community. The students in the program are highly motivated, and the program's completion rates are great. Additionally, the program has a highly engaged and productive faculty, representing an array of recognized disciplines. This interdisciplinary approach allows for students to act as catalysts for collaboration across campus, as students themselves form bridges between faculties in distinct disciplines.

To enhance and improve the offerings of the program, the Interdisciplinary Studies program should seek to acquire additional administrative support, which would allow the program to better recruit students & enhance their communication, as well as to track where graduates of the program end up in their lives & careers. To further help students, program should seek to enhance the mentoring & professional development opportunities for their students, particularly focusing on the importance of emphasizing the interdisciplinary framework in these opportunities. The program should also work with the administration to provide incentives for faculty participation within the program, as currently faculty member performance metrics often do not recognize engagement in interdisciplinary education.

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The number of majors and graduates is given below:

Interdisciplinary Studies

Major	Degree	Degrees Conferred						
		FY14	FY15	FY16	FY17	FY18	FY19	FY20
Interdisciplinary Studies	MIS	2	3	2	4	3		1
Interdisciplinary Studies	PHD	2	3	5	2	1	2	1

Major	Degree Level	Fall Census Headcounts						
		Fall 13	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18	Fall 19
Interdisciplinary Studies	MA							1
Interdisciplinary Studies	MIS	13	10	9	6	5	2	2
Interdisciplinary Studies	MS						1	2
Interdisciplinary Studies	PHD	8	10	7	4	9	8	11

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Institution: University of Montana – Missoula

Program Years: 2014-2020

List of the programs reviewed:

Latin American Studies minor

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Latin American Studies minor completed a self-study in May 2019 and their external reviewer, Lori Celaya from the University of Idaho, completed their review in September 2021. Based on the self-study and external review report, the program deserves commendation for its many strengths, such as the strength of the faculty’s research, as well as the program’s interdisciplinary nature. This interdisciplinary approach occurs through faculty collaboration and the subject matter the program’s courses. Additionally, the program provides excellent opportunities and advising support for its students, particularly in relation to study abroad opportunities.

To enhance and improve the offerings, the program should seek to identify future leadership given the retirement of the program’s current director. These considerations should be made with an attention to the interdisciplinary nature of the program, as well as the service requirements that the future program director(s) will have. Additionally, the program should seek to promote greater involvement in the Latin American Studies program by faculty and students across UM campus, not only from Humanities to Sciences, but also including the College of Forestry, the Law School, and the School of Journalism.

The number of majors and graduates is given below:

Latin American Studies

		Degrees Conferred						
Major	Degree	FY12	FY13	FY14	FY15	FY16	FY17	FY18
Latin American Studies	Minor	5	6	7	4	6	5	5

		Fall Census Headcounts						
All Majors	Degree	2013	2014	2015	2016	2017	2018	2019
Latin American Studies	Minor	15	13	12	7	10	8	5

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Institution: **University of Montana – Missoula**

Program Years: **2014-2020**

List of the programs reviewed:

Mathematics Minor

Mathematics B.A., with concentrations in:

- Applied Mathematics
- Combinatorics & Optimization
- Mathematics Education
- Pure Mathematics
- Statistics and Data Science

M.A. in Mathematics, with a concentration in:

- Applied Mathematics

M.A. in Teaching School Mathematics

PhD. in Mathematics

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Department of Mathematical Sciences completed a self-study in September 2019, and their external reviewer, Phillip Kutzko from the University of Iowa, completed their review in May 2020. Based on the self-study and external review report, the Math program deserves commendation for its many strengths, which includes having a broad variety of disciplinary expertise, high-quality teachers, and internationally recognized research, as well as a positive department culture where faculty enjoy working together and pursue opportunities for collaboration, and students recognize and benefit from this collegiality. The Math program boasts high-quality Masters and PhD programs, with nearly 100% job placement for graduate students and strong outcomes for undergraduates, including a 77% graduation rate. The Math department also teaches many quality service courses, and has innovative support programs, particularly the co-requisite remediation model, which has potential to be a model for other departments. On top of these strengths, the Math program maintains a strong alumni and donor base.

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To enhance and improve the offerings of the program, the Math program should seek to improve marketing and outreach to prospective students, and should identify plans for how to fill/accommodate lost faculty lines due to retirements, especially in statistics and data science. The Math program should also expand co-requisite remediation program, improve experiential learning opportunities, particularly with internships and service learning, and explore an interdisciplinary bachelor's degree in data science, as well as a 5-year BS+MS in data science.

The number of majors and graduates is given below:

Mathematical Studies

Major	Degree	Degrees Conferred						
		FY12	FY13	FY14	FY15	FY16	FY17	FY18
Mathematics	Minor	14	20	15	10	17	13	19
Mathematics	BA	15	21	29	32	17	26	16
Mathematics	BA - Applied Mathematics option		5	4	3	1	4	1
Mathematics	BA - Combinatorics & Optimization option				1	1		3
Mathematics	BA - Mathematics Education option	2	2	2	5	3		
Mathematics	BA - Pure Mathematics option	3	2	1	3	1	1	2
Mathematics	BA - Statistics option		1	1	10	5	4	
Mathematics	MA	6	3	8	7	6	4	2
Mathematics	MA - Mathematics Education option	1		3				
Mathematics	Teaching School Mathematics MA	0	2	3	0	1	4	1
Mathematics	PHD	5	2	3	2	2	1	

Major	Degree Level	Fall Census Headcounts						
		2013	2014	2015	2016	2017	2018	2019
Mathematics	Minor	21	16	24	31	36	43	35
Mathematics	BA	95	115	100	92	95	76	73
Mathematics	BA - Applied Mathematics option	4	4	2	2	9	5	8
Mathematics	BA - Combinatorics & Optimization option	1	3	2	2	2	3	
Mathematics	BA - Mathematics Education option	14	21	21	19	37	28	20
Mathematics	BA - Pure Mathematics option	3	4	3	6	6	7	4
Mathematics	BA - Statistics option	3	3	5	5	4	6	6
Mathematics	MA	12	10	11	12	12	9	7
Mathematics	MA - Mathematics Education option	4	4					
Mathematics	Teaching School Mathematics MA	5	2	3	5	3	4	6
Mathematics	PHD	15	14	16	12	14	13	14

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Institution: **University of Montana – Missoula**

Program Years: **2014-2020**

List of the programs reviewed:

Political Science Minor

B.A. in History–Political Science

B.A. in Political Science, with concentrations in:

- American Politics
- International Relations and Comparative Politics
- Public Administration and Public Policy
- Public Law
- Public Administration

M.A. in Political Science

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Department of Political Science completed a self-study in February 2020, and their external reviewer, Craig Parsons from the University of Oregon, completed their review in December 2020. Based on the self-study and external review report, the department of Political Science has demonstrated that its faculty has a strong commitment to high-quality undergraduate and graduate teaching. The department maintains one of the largest cohorts of majors during a time of enrollment decline, and interest remains high with the incoming class, reflecting a nation-wide growth trend for Political Science departments. Students in the Political Science department are high quality, as demonstrated by engagement in the classroom and with their ability to win awards. Students also participate in internships with influential organizations, such as the state legislature and non-profits. Further, the program has been instrumental in developing innovative, interdisciplinary minors and certificates (e.g., global public health, international development studies, migration studies), as well as maintaining collaborative relationships with programs in every college. Its strong relationships with notable alumni lead to positive experiences and opportunities for current students.

Montana University System

PROGRAM REVIEW

To enhance and improve the offerings of the program, the Department of Political Science should explore ways to create and sustain interdisciplinary programs, including stronger marketing and incentivized budget models for these programs, as well as identifying appropriate “homes” for these degrees. The program should strategize ways to bring in outside applicants for the MA program, and apply for TA allocations in September—some possibilities include the 4+1 program, recruiting regionally, and getting into the WRPG program. The program should also evaluate & consider the pros/cons for pursuing breadth vs. depth in regards to both faculty expertise and courses offered.

The number of majors and graduates is given below:

Political Science

Major	Degree	Degrees Conferred						
		FY14	FY15	FY16	FY17	FY18	FY19	FY20
Political Science	Minor	13	10	11	6	7	6	6
History-PoliSci	BA	6	9	7	6	3	3	9
Political Science	BA	62	51	60	48	43	50	49
	BA - American Politics	8	5	6	6	1	8	5
	BA - Internat Rel & Compar Politics	22	13	18	12	17	17	18
	BA - Public Admin and Public Policy						2	2
	BA - Public Law	6	4	3	7	4	7	3
Political Science	MA	4	3	1	5	2	4	3

Major	Degree Level	Fall Census Headcounts						
		Fall 13	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18	Fall 19
Political Science	Minor	27	26	32	26	25	18	16
History-PoliSci	BA	17	32	38	37	31	25	37
Political Science	BA	230	214	178	174	188	177	155
	BA - American Politics	11	8	11	18	19	25	28
	BA - Internat Rel & Compar Politics	41	32	37	37	41	40	29
	BA - Public Admin and Public Policy						3	8
	BA - Public Law	14	14	14	17	25	25	15
Political Science	MA	9	6	9	13	10	10	10

Please note that all concentration counts are subsets of the major counts.

Montana University System
PROGRAM REVIEW

Institution: University of Montana – Missoula

Program Years: 2014-2020

List of the programs reviewed:

South and Southeast Asian Studies Minor

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The South and Southeast Asian Studies program (SSEAS) completed a self-study in September 2020, and their external reviewer, Lawrence Cohen from University of California, Berkeley, completed their review in December 2020. The self-study and external review report highlighted several strengths of the SSEAS program, such as having high-quality faculty who deliver unique and engaging content that provides meaningful options to students at minimal cost, as well as having an innovative curriculum delivery wherein SSEAS content is built into courses in other departments (i.e., Anthropology, English). Additionally, the program has popular cultural events and lectures, which have successfully been moved to Zoom to accommodate COVID restrictions. Lastly, the program has inherent value in exposing students to other parts of the world and helping them learn about other cultures, values, lives, and belief systems.

To enhance and improve the offerings of the program, the South and Southeast Asian Studies program should, as feasible, explore opportunities to deliver courses in summer and/or winter terms, and online, as well as move the minor to be housed in Anthropology. Additionally, the program should work to improve and increase outreach about the minor, including through updated webpages, radio engagement, and social media, as well as work with H&S student ambassadors to produce video interviews of students, faculty, and alumni.

Montana University System
PROGRAM REVIEW

The number of majors and graduates is given below:

South and Southeast Asian Studies

Major	Degree	Degrees Conferred						
		FY14	FY15	FY16	FY17	FY18	FY19	FY20
South and Southeast Asian Studies	Minor	1	1	1	3	2	1	2

Major	Degree Level	Fall Census Headcounts						
		Fall 13	Fall 14	Fall 15	Fall 16	Fall 17	Fall 18	Fall 19
South and Southeast Asian Studies	Minor	2	4	2	2	2	3	6

Montana University System
PROGRAM REVIEW

Institution: **University of Montana – Missoula**

Program Years: **2014-2020**

List of the programs reviewed:

Wildlife Biology Minor

B.S. in Wildlife Biology, with concentrations in:

- Aquatic
- Terrestrial

Wildlife Biology M.S.

Fish and Wildlife Biology Ph.D.

Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Retain all degrees and programs.

Rationale or justification for the decision based on the program review process established at the campus. Include graduation numbers and student majors for each of the last seven (7) years for every program under review.

The Department of Wildlife Biology completed a self-study in September 2019, and their external reviewers, Merav Ben-David from the University of Wyoming and Kenneth Wilson from Colorado State University, completed their review in April 2020. Based on the self-study and external review report, the Wildlife Biology program deserves commendation for its many strengths, which include incredible faculty productivity in research, publications, grants, and citations paired with a real commitment to teaching and experiential learning for students. Additionally, Wildlife Biology has an integrated, tiered system that draws a connected line from undergraduates all the way to post-docs, and their program is consistently recognized as one of the best programs in the nation, which elevates FCFC and UM. As part of their program, they offer quality undergraduate research opportunities, as well as meaningful interdisciplinary and collaborative relationships with units across campus.

To enhance and improve the offerings of the program, the Wildlife Biology program should work toward building a zero-based budget, and should explore other revenue opportunities, including with the donor base. Additionally, the program should increase resources for admin support and TA wage, as well as seek to reduce faculty teaching loads. The Wildlife Biology program would also benefit from exploring professional master's programs, increasing their commitment to diversity and equity, and furthering their partnerships with our tribal colleagues and colleges, becoming a model for how to build effective and positive relationships.

Montana University System
PROGRAM REVIEW

The number of majors and graduates is given below:

Wildlife Biology

Major	Degree	Degrees Conferred						
		FY12	FY13	FY14	FY15	FY16	FY17	FY18
Wildlife Biology	Minor	9	9	6	7	7	5	4
Wildlife Biology	BSWB	42	53	55	54	54	58	48
Wildlife Biology	BSWB - Aquatic option	4	11	12	13	10	9	7
Wildlife Biology	BSWB - Terrestrial option	34	34	41	36	37	47	38
Wildlife Biology	MS	7	5	7	6	5	2	7
Fish and Wildlife Biology	PHD	3	3	1	2	5	10	3

All Majors	Degree Level	Fall Census Headcounts						
		2013	2014	2015	2016	2017	2018	2019
Wildlife Biology	Minor	15	20	13	24	17	19	26
Wildlife Biology	BSWB	333	347	329	331	327	342	330
Wildlife Biology	BSWB - Aquatic option	28	35	31	32	36	42	41
Wildlife Biology	BSWB - Terrestrial option	82	123	135	219	237	270	287
Wildlife Biology	MS	17	15	14	16	15	22	23
Fish and Wildlife Biology	PHD	28	24	26	24	28	31	34