

Montana University System
PROGRAM REVIEW

Institution: The University of Montana - Missoula

Program Years: 2010-2011

List of the programs reviewed:

- Chemistry
 - Davidson Honors College
 - Respiratory Care
 - Sociology
 - Surgical Technology
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Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

Please see attached.

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.

Please see attached detailed Program Review Overviews.

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Institution: The University of Montana - Missoula

Program Years: 2010-2011

List of the programs reviewed:

Chemistry, B.A.

Chemistry, B.S., with options including

Biochemistry (option terminated in 2009; students still completing)

Biological Chemistry (option terminated in 2009; students still completing)

Environmental Chemistry

Forensic Chemistry

Pharmacology

Biochemistry, B.S., with options including

Health Professions

Chemistry, M.S., with options including

Analytical and Environmental Chemistry

Biochemistry (option terminated in 2009; students still completing)

Inorganic Chemistry

Biochemistry, M.S.

Chemistry, Ph.D., with options including

Organic Chemistry

Inorganic Chemistry

Analytical and Environmental Chemistry

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

Retain all degrees and options. The Department of Chemistry no longer offers options in Biochemistry or Biological Chemistry within the Chemistry B.S. or M.S. Instead, the Biochemistry degrees are conferred by a joint Biochemistry program, administered by the Chairs of the Department of Chemistry and the Division of Biological Sciences.

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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 Chemistry and Biochemistry submitted a self-study in January, 2011. The external reviewer, Dr. Ray von Wandruszka, Professor and Chair of the Department of Chemistry at the University of Idaho, visited campus March 21-22, 2011. The Graduate Council is scheduled to review the self-study and external reviewer's comments. Dr. von Wandruszka submitted his report on March 31, 2011. Comments made in the review are summarized as follows:

The faculty of the Department of Chemistry and Biochemistry at The University of Montana comprises a group of academics who would do well at virtually any institution in the country. Undergraduate Chemistry education at the freshman and sophomore level is alive and well at UM, unlike at many peer institutions. The non-major offerings also appear to be in good hands. UM is in the happy situation of experiencing a strong rise in undergraduate enrolment, which should enhance its standing. The teaching and research missions are integrated at UM, and undergraduates partake in 'real' research. This is rarely found at big institutions and should be counted as a strength of the UM Chemistry program. Interdisciplinary research has been allowed to flourish and there are extensive and fruitful collaborations with other departments. Supra-departmental structures are in place that enhance the units involved and benefit their students. The department is challenged by: the low "critical mass" of its faculty (particularly in the areas of organic and physical chemistry; the recent decline in extramural funding income, also experienced by other institutions; and an inadequate number of TA stipends needed to attract and support applicants to the graduate program.

The Department of Chemistry and Biochemistry generated 5573 student credit hours in fall 2010. The number of student majors and graduates is given below.

Department of Chemistry and Biochemistry, Majors

Fall

First and Second Majors	Degree Level	2004	2005	2006	2007	2008	2009	2010	2011
Chemistry and Biochemistry	Undergraduate	60	66	89	109	93	101	109	124
	Graduate	70	64	62	59	57	43	40	20
	Total	130	130	151	168	150	144	149	144

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Department of Chemistry and Biochemistry, Graduates

Degree	Major	Option	FY04	FY05	FY06	FY07	FY08	FY09	FY10	avg.
Bachelor of Arts	Chemistry		0	0	0	0	0	0	0	0
Bachelor of Science	Chemistry		3	1	3	2	6	3	6	3
Bachelor of Science	Chemistry	Biochemistry	5	4	2	0	7	8	2	4
Bachelor of Science	Chemistry	Forensic Chemistry	0	0	0	0	0	2	4	1
Bachelor of Science	Chemistry	Biological Chemistry	2	6	5	2	3	4	3	4
Bachelor of Sciences	Chemistry	Environmental Chem	0	0	1	0	1	0	1	0
Degree	Major	Option	FY04	FY05	FY06	FY07	FY08	FY09	FY10	avg.
Bachelor of Science	Chemistry	Pharmacology	0	0	1	1	1	0	1	1
Master of Science	Chemistry		1	0	1	3	3	1	2	2
Master of Science	Chemistry	Analytical/Environ Chem	0	0	0	0	0	0	0	0
Master of Science	Chemistry	Inorganic Chemistry	0	0	0	0	0	1	0	0
Master of Science	Biochemistry		3	1	1	1	1	1	0	1
Doctor of Philosophy	Chemistry		2	3	5	5	4	6	6	4
Doctor of Philosophy	Chemistry	Organic Chemistry	0	0	0	1	0	0	0	0
Doctor of Philosophy	Chemistry	Inorganic Chemistry	0	0	0	0	1	0	0	0
Doctor of Philosophy	Chemistry	Analytical/Eviron Chem	0	0	2	1	0	0	1	1
Minors	Chemistry		0	5	4	6	2	1	5	7

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Program Years: 2010-2011

List of the programs reviewed:

The Davidson Honors College (DHC) is a campus-wide program of faculty and students united by a common concern for academic and personal excellence at the undergraduate level. The DHC is not a degree-granting program.

The DHC fosters both intellectual and civic values, offers a rigorous and multi-disciplinary curriculum, provides experiential learning opportunities, and strongly encourages leadership development, ethical inquiry, social responsibility, and community service. Students apply, and are selectively admitted, to the DHC from every discipline and academic unit on campus. The Honors curriculum includes courses and faculty members from every professional school offering a B.A. or B.S. degree. To graduate with the distinction of "University Scholar," students must achieve a 3.4 GPA in their primary major and complete at least seven 3-credit Honors courses. The DHC disburses over \$500,000 per year of merit-based Honors scholarships, including the Presidential Leadership Scholarship, a four-year merit scholarship that is competitively awarded to recent high school graduates who intend to enroll in the DHC. Funding for Honors scholarships is provided mainly by private donors through the UM Foundation, along with some university funds allocated for this purpose by the UM Scholarship Office. Because all DHC students are required to complete a senior research project under the guidance of a faculty mentor, the DHC provides opportunities for students of all majors to become engaged in original research and creative scholarship. The DHC administers a university-wide undergraduate research scholarship program, which disburses up to \$50,000 per year in scholarships to qualified student researchers. The DHC also contributes financial, administrative, and curricular resources to a wide range of student engagement activities and programs on campus. To graduate with the distinction of "University Scholar," students must achieve a 3.4 GPA in their primary major and complete at least seven 3-credit Honors courses.

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

Retain all programmatic offerings of the DHC.

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 DHC submitted a self-study in February, 2011. The external reviewer, Dr. Stephan Flores, Director of the University Honors Program at the University of Idaho, visited campus on March 13-15, 2011. The External Reviewer submitted his report on April 20, 2011. Comments made in the review are summarized as follows:

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My overall evaluation of the Davidson Honors College at the University of Montana is positive—highly so, in nearly every respect. Davidson honors students receive a solid, distinctive education that provides an excellent range of valuable academic and extra-and co-curricular experiences as part of a community of learning. The closely affiliated Office for Civic shares the DHC’s broader mission to serve the entire campus. The curriculum of the Davidson Honors College has developed in recent years to provide a solid array of course options across the liberal arts and sciences as well as distinctive and unique pre-professional classes. This cross-and interdisciplinary curriculum supports good opportunities for DHC students as well as students outside the DHC to connect with one another and to honors education while making strong progress towards degree, and this curricular structure contributes to enriched inquiry and academic depth across the disciplines. I am particularly impressed by the outstanding attention to developing avenues for undergraduate research with accompanying mentorship and recognition for the achievements of students and faculty. The range of participation from students in different disciplines, the tangible support of sponsored research scholarships, and especially the willingness and ability of faculty to guide such efforts, are matters for high praise and pride. The Davidson Honors College benefits from the leadership and support of a well-respected and committed Dean, valued and experienced service of the Director of External Scholarships and Advising, vital expertise and diligence of DHC staff members, and crucial leadership and experience of the Director of the Office for Civic Engagement and staff. This evaluation also directs attention to perceived limits and constraints [that should be considered, in order to] sustain and to advance the Davidson Honors College in fulfilling its mission. These include aspects of what constitutes the honors curriculum as well as reliance on adjunct faculty members, related budgetary support for honors courses, from needed IT and network support, to a desired increase in the DHC Director of Development percentage of time devoted to the college, to pressures on current DHC staff to keep up with recent and prospective DHC endeavors on multiple fronts.

Enrollment		2004	2005	2006	2007	2008	2009	2010
Davidson Honors College		609	599	672	725	645	677	590

Graduates		FY04	FY05	FY06	FY07	FY08	FY09	FY10	avg.
Davidson Honors College		110	122	102	98	129	132	144	119

Montana University System
 PROGRAM REVIEW

Institution: The University of Montana College of Technology, Missoula

Program Years: 2010-2011

List of the programs reviewed:

Respiratory Care Technology, A.A.S.

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

Retain all degrees and options.

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 Program in Respiratory Care Technology submitted a self-study in preparation for a Commission on Accreditation for Respiratory Care (CoARC) site visit conducted on March 10, 2011. The site visit team concluded that the Program “met or exceeded all currently set ‘thresholds’ for success on each of the required outcome measures”. Accordingly the program received continuing accreditation effective July 18, 2011.

The Respiratory Technology Program generated 330 student credit hours in fall 2010. The number of student majors and graduates is given below.

Respiratory Care Technology Program, Majors

Fall

Major	Degree Level	2004	2005	2006	2007	2008	2009	2010	2011
Respiratory Care Technology	Undergraduate	40	19	26	33	23	15	22	27

Respiratory Care Technology Program, Graduates

Degree	Major	Option	FY04	FY05	FY06	FY07	FY08	FY09	FY10	avg.
Associate of Applied Science	Respiratory Care Technology		15	16	11	6	19	14	6	12

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PROGRAM REVIEW

Institution: The University of Montana - Missoula

Program Years: 2010-2011

List of the programs reviewed:

Sociology, B.A., with options including
Criminology
Inequality and Social Justice
Rural and Environmental Change

Sociology, M.A., with options including
Criminology
Inequality and Social Justice
Rural and Environmental Change

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

Retain all degrees and options.

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 Sociology submitted a self-study in March 2011. The external reviewer, Dr. Robert Crutchfield from the University of Washington, visited campus March 24-25, 2011. The Graduate Council is scheduled to review the self-study and external reviewer's comments. The External Reviewer submitted his report on May 31, 2011. Comments made in the review are summarized as follows:

“My overall impression of the University of Montana Sociology Department is quite positive. The faculty is academically active and is committed to and very engaged in the educational mission.

Overall, this department is making very good contributions to the undergraduate teaching mission of The University of Montana. They have high enrollments in classes (both majors and non-majors), and their teaching and curriculum is respected by their colleagues in other units and by their students. The UM Sociology Department is an excellent undergraduate teaching department. The Sociology faculty takes the advising of their students very seriously. They spend a substantial amount of time and effort advising students. The department does not appear to have any problem with retention of students. If anything, their educational effort for undergraduate UM students, both in the classroom and in advising is overwhelming the current capacity of the department. [T]here is real research capacity here and it is being realized by a number

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of faculty members, but there's room for improvement [...]. The [graduate] program elements are sound; the course work and requirements are typical for a sociology department. A vocal majority of the students who I met with reported that the training is good and they feel that they are being well mentored. The Sociology Department will better move towards the transition that the University is requiring, if they consciously adopt more of a research focus. They certainly have scholarship that they should be proud of and that can be a more central feature of their public and internal identities. "

The Department of Sociology generated 4,467 student credit hours in fall 2010. The number of student majors and graduates is given below.

Department of Sociology, Majors

Fall

First and Second Majors	Degree Level	2004	2005	2006	2007	2008	2009	2010	2011
Sociology	Undergraduate	286	271	284	287	277	312	363	353
	Graduate	16	19	16	13	9	20	24	18
	Total	302	290	300	300	286	332	387	371

Department of Sociology, Graduates

Degree	Major	Option	FY04	FY05	FY06	FY07	FY08	FY09	FY10	avg.
Bachelor of Arts	Sociology		19	15	15	17	10	8	15	14
Bachelor of Arts	Sociology	Criminology	53	60	37	63	41	46	40	49
Bachelor of Arts	Sociology	Inequality & Social Justice	0	0	0	0	1	6	6	2
Bachelor of Arts	Sociology	Rural & Environmental Change	7	13	7	6	8	6	4	7
Master of Arts	Sociology		1	3	0	5	3	1	1	2
Master of Arts	Sociology	Criminology	2	1	2	1	1	0	0	1
Master of Arts	Sociology	Inequality & Social Justice	0	0	0	0	0	1	0	0
Master of Arts	Sociology	Rural & Environmental Change	0	1	3	1	1	1	2	1
minor	Sociology		11	5	8	9	7	12	8	9

Montana University System
 PROGRAM REVIEW

Institution: The University of Montana College of Technology, Missoula

Program Years: 2010-2011

List of the programs reviewed:

Surgical Technology, A.A.S.

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

Retain all degrees and options.

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 Program in Surgical Technology was accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) on July, 2008. The review conducted by the Accreditation Review Committee on Education in Surgical Technology (ARC-ST) and CAAHWP's Board of Directors recognized the program's substantial compliance with the nationally established accreditation Standards.

The Program in Surgical Technology generated 390 student credit hours in fall 2010. The number of student majors and graduates is given below.

Surgical Technology Program, Majors

Fall

Majors	Degree Level	2004	2005	2006	2007	2008	2009	2010	2011
Surgical Technology	Undergraduate	51	36	28	21	27	32	25	26

Surgical Technology Program, Graduates

Degree	Major	FY04	FY05	FY06	FY07	FY08	FY09	FY10	avg.
Associate of Applied Science	Surgical Technology	15	28	22	26	16	23	27	22