

Montana University System
PROGRAM REVIEW

Institution : **Montana State University Billings**

Program Years: **2018/2019 – 2024/2025**

List of the programs reviewed:

Automotive Technology CERT and Automotive Technology AAS

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

Continue the programs with the recommendations below

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 programs successfully completed the program review process, and the strengths of the program are clear: 1) Excellent assessment plan; 2) Dedicated and supportive faculty who passionately support student success; 3) Integration of current industry standard technology within the program; 4) Availability of faculty for student recruitment and advising; 5) Significant program updates are evident; 6) Development of pathways for high school students to enter the program.

Recommendations for program improvement are as follows: 1) Develop a marketing strategy in collaboration with University Communications and Admissions; 2) Collaborate with the Academic Support Center to create student assistance with technical coursework; 3) Collaborate with the General Education faculty to develop strategies for student completion; 4) Review possible equipment funding sources to include: Perkins, student equipment fee funds, and external grant awards; 5) Develop a strategy to manage academic workload, including the recruitment of adjunct faculty or additional full-time faculty.

Academic Year Automotive CERT	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	4	2	0	1	1	4	2
Completi ons	0	1	1	0	1	0	0

Montana University System
PROGRAM REVIEW

Academic Year Automotive AAS	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	19	25	22	21	14	18	16
Completi ons	4	6	9	6	4	5	7

Montana University System
PROGRAM REVIEW

Montana State University Billings

Program Years: **2018/2019 – 2024/2025**

List of the programs reviewed:

Diesel Technology CERT and Diesel Technology AAS

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

Continue the programs with the recommendations below

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 programs successfully completed the program review process, and the strengths of the program are clear: 1) Excellent assessment plan; 2) Dedicated and supportive faculty who passionately support student success; 3) Integration of current industry standard technology within the program; 4) Availability of faculty for student recruitment and advising; 5) Significant program updates are evident; 6) Development of pathways for high school students to enter the program; 6) Graduate employment is near 100% following program completion.

Recommendations for program improvement are as follows: 1) Develop a marketing strategy in collaboration with University Communications and Admissions; 2) Collaborate with the Academic Support Center to create student assistance with technical coursework; 3) Collaborate with the General Education faculty to develop strategies for student completion; 4) Review possible equipment funding sources to include: Perkins, student equipment fee funds, and external grant awards; 5) Develop a strategy to manage academic workload, including the recruitment of adjunct faculty or additional full-time faculty; 6) Collaborate with Industry partners to determine feasibility of providing student(s) access and credentials that are manufacture specific.

Academic Year Diesel Technology CERT	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	2	2	2	4	0	2	1
Completions	2	1	2	0	1	0	0

Montana University System
PROGRAM REVIEW

Academic Year Diesel Technology AAS	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	32	37	41	36	30	24	22
Completi ons	13	7	12	15	10	10	7

Montana University System
PROGRAM REVIEW

Institution : **Montana State University Billings**

Program Years: **2018/2019 – 2024/2025**

List of the programs reviewed:

Instrument and Electrical Technician AAS

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

Continue the programs with the recommendations below

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 programs successfully completed the program review process, and the strengths of the program are clear: 1) Excellent assessment plan; 2) Dedicated and supportive faculty who passionately support student success; 3) Integration of current industry standard technology within the program; 4) Availability of faculty for student recruitment and advising; 5) Significant program updates are evident; 6) Excellent collaboration and integration with Process Plant Technology program.

Recommendations for program improvement are as follows: 1) Develop a marketing strategy in collaboration with University Communications and Admissions; 2) Evaluate the feasibility of developing a certificate as an “Analyzer”; 3) Increase engagement with library staff to ensure resources are available; 4) Review possible equipment funding sources to include: Perkins, student equipment fee funds, and external grant awards.

Academic Year Instrument and Electrical Tech AAS	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	0	9	11	16	13	11	21
Completi ons	0	0	5	0	9	0	7

Montana University System
PROGRAM REVIEW

Institution: **Montana State University Billings**

Program Years: **2018/2019 – 2024/2025**

List of the programs reviewed:

Auto Collision Repair CERT and Auto Refinishing CERT and Auto Repair/Refinishing AAS

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

Continue the programs with the recommendations below

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 programs successfully completed the program review process, and the strengths of the program are clear: 1) Excellent assessment plan; 2) Dedicated and supportive faculty who passionately support student success; 3) Collaboration and integration with the Automotive Technology program; 4) Availability of faculty for student recruitment and advising; 5) Significant program updates are evident; 6) The only academic training program in the region.

Recommendations for program improvement are as follows: 1) Develop a marketing strategy in collaboration with University Communications and Admissions; 2) Development of standard metrics for measuring all student learning outcomes; 3) Collaborate with the General Education faculty to develop strategies for student completion; 4) Review possible equipment funding sources to include: Perkins, student equipment fee funds, and external grant awards.

Academic Year Collision CERT	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	1	0	0	0	0	Missing data	0
Completions	0	0	0	0	1	Missing data	0

Montana University System
PROGRAM REVIEW

Academic Year Refinishing CERT	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	0	0	0	1	0	Missing data	0
Completions	0	0	0	0	1	Missing data	0

Academic Year Refin/Coll AAS	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	7	15	16	14	16	Missing data	5
Completions	2	4	6	4	3	Missing data	Missing data

Montana University System
PROGRAM REVIEW

Institution : **Montana State University Billings**

Program Years: **2018/2019 – 2024/2025**

List of the programs reviewed:

Associate of Science in Nursing (ASN – Registered Nursing)

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

Continue the programs with the recommendations below

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 programs successfully completed the program review process, and the strengths of the program are clear: 1) Excellent student recruitment and retention following admission to the program; 2) Dedicated and supportive faculty who passionately support student success; 3) Strong licensure pass rates; 4) Availability of faculty and program director for student recruitment and advising; 5) Significant and continuous curriculum content updates are evident.

Recommendations for program improvement are as follows: 1) Develop and provide documentation of curriculum review processes; 2) Include data in review plan and annual report that supports assessment of student learning outcomes; 3) Development of a published faculty onboarding process; 4) Review possible equipment funding sources to include: Perkins, student equipment fee funds, and external grant awards; 5) Ensure faculty are highly involved in program planning and evaluation.

Academic Year	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	256	229	227	193	219	186	203
Completions	37	37	40	38	38	38	40

Montana University System
PROGRAM REVIEW

Institution : **Montana State University Billings**

Program Years: **2018/2019 – 2024/2025**

List of the programs reviewed:

Practical Nursing CAS

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

Continue the programs with the recommendations below

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 programs successfully completed the program review process, and the strengths of the program are clear: 1) Excellent student recruitment and retention following admission to the program; 2) Dedicated and supportive faculty who passionately support student success; 3) Strong licensure pass rates; 4) Availability of faculty and program director for student recruitment and advising; 5) Program access online and clinical activities in the student's region to minimize travel.

Recommendations for program improvement are as follows: 1) Evaluate strategies to increase clinical site expansion; 2) Include data in review plan and annual report that supports assessment of student learning outcomes; 3) Development of a published faculty onboarding process; 4) Review possible equipment funding sources to include: Perkins, student equipment fee funds, and external grant awards; 5) Ensure faculty are highly involved in program planning and evaluation.

Academic Year	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	59	64	65	56	35	35	39
Completions	15	13	11	17	15	14	14

Montana University System
PROGRAM REVIEW

Institution: **Montana State University Billings**

Program Years: **2018-2025**

List of the programs reviewed:

Chemistry B.S. Major

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

Retain and Grow Program

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.

Chemistry B.S.

Academic Year	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	19	19	20	12	15	17	20
Completions	1	3	1	3	1	3	3

Chemistry Minor

Academic Year	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Enrollment	5	12	12	11	12	8	6
Completions	2	8	7	6	4	3	4

The Chemistry Programs have had steady enrollment over the last 7 years due to the hard work of our faculty and staff. We see potential for growth going forward as we refine the program after feedback from the Academic review process and two recent hires.

Commendations:

- The Chemistry Program offers a solid chemistry curriculum with state-of-the-art experiences, equipment and training.
- The Chemistry Program faculty strive to educate students in person to meet the employment needs of local industries.
- The Chemistry Program faculty are working hard to provide students with curriculum that addresses gaps in the student's deficiencies in applied mathematics.

Montana University System

PROGRAM REVIEW

- The department works hard to provide student in Eastern Montana with positive and vibrant STEM experiences through the *Atomic Circus* and the Science Expo.

Recommendations:

- Continue to develop a robust, regular, course-specific assessment plan that monitors *your* student population. The ACS exams are good assessments to make comparisons of student performance based on national data, but when a student body does not reflect the demographics, resourcing, and experiences of the nation, assessment that is specific to the student population is needed to monitor how curricular and classroom methods impact learning. As you carry this assessment out, consider abandoning the ACS recommendations and focus a curriculum around skill building for targeted industries or research programs and student-driven elective course offerings.
- The department should create specific plans for addressing the DFW rates in Chemistry. This may not be just the Math requirement.

Overall, this is a strong undergraduate program that also supports our Biology and Health and Human Performance program and the recommendations outlined above will work to further strengthen it.

Montana University System
PROGRAM REVIEW

Institution: **Montana State University Billings**

Program Years: **2018/2019 through 2024/2025**

List of the programs reviewed:

Bus Admin: Marketing , BS

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

Retain the degree.

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 Business Administration completed its program review concerning the Business Administration - Marketing option and the Marketing minor. The review revealed several strengths of the program, First, the rotation of courses is carefully designed to be delivered by a limited number of faculty. Second, the curriculum is designed to emphasize experiential learning. Third, assessment data for the option, which are regularly gathered and analyzed, generally demonstrate satisfactory and better-than-satisfactory results. Fourth, the faculty are highly supportive of the students' extra-curricular activities, especially the Marketing Club and the American Indigenous Business Leaders Club. Fifth, the faculty employ EAB Navigate to assist in retention, a software that allows them to issue student alerts. Sixth, the cohort retention rates in Marketing are on par with the MSUB institutional rates for cohort retention. And last, the faculty are current in their field as evidenced by their recent Association to Advance Collegiate Schools of Business (AACSB) evaluation which determined both faculty members as meeting the criteria as "Scholarly Academics" (SA).

Recommendations for program improvement were as follows. First, with attention to the enrollment trends and to the emerging societal impacts mission of the department, the faculty should develop specific curricular innovations that will make the Marketing option attractive to a broad audience of students. Second, the faculty should develop a recruiting plan specific to the Marketing option, especially for use in local high schools and/or with social media dimensions. Third, the faculty should assist the dean in identifying an adjunct faculty that can help reduce overload demands, thus allowing faculty to develop assessment mechanism for the minor, to bring AI into focus as a fundamental dynamic in the marketing profession, to offer experimental courses as special topics, and to improve available time for research and scholarly activities so that the faculty will continue to hold SA status. Lastly, the faculty should adjust assessment practices by reducing the number of learning outcomes being assessed.

Montana University System
PROGRAM REVIEW

Business Administration: Marketing BS

Enrollment

2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
93	82	71	70	62	69	63

Completions

2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
26	24	21	15	19	26	18

Montana University System
PROGRAM REVIEW

Institution: **Montana State University Billings**

Program Years: **2018-2025**

List of the programs reviewed:

BA History; BA History Teaching Option; History Minor; History Teaching Minor

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

Retain

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 History Department is comprised of engaged and talented faculty members who work with great dedication to maintain and offer a strong academic pathway for their students. According to the data in this report, enrollment in the History major has fluctuated, with a notable decline in the Covid period followed by a steady recovery. The minor followed a similar pattern on a smaller scale, arriving at a total of 12 students enrolled in the History minor in 2023-24. I assume, since the History BA and History BA Teaching Option are the two primary options under the larger heading of History, that students sometimes migrate from one to the other major and are often enrolled in the same courses.

Regular internships represent a strategic, positive element in this program and offer students valuable experiential learning. The intention to expand the number of internships is a strong feature of the Department's future planning and is likely to provide pathways to careers.

The Department, under the leadership of Chair Arendt, has done an excellent job of creating rotations and course offerings so that students can finish on time and enrollments in any given course remain viable.

The Department has undertaken specific strategies to attract majors, including an Annual Edgerton History Lecture, outreach to potential majors, and community building spaces and activities for current majors and minors. Regularly inviting students to a regional History Conference is a particularly strong practice alongside other Experiential Learning opportunities.

Montana University System
PROGRAM REVIEW

Enrollment	Fall 18	Fall 19	Fall 20	Fall 21	Fall 22	Fall 23	Fall 24
BA History	23	27	19	24	15	20	24
BA Teaching	37	39	39	36	38	27	35
Minor	9	4	4	6	7	7	2
Teaching Minor	4	2	2	2	2	2	3

Completions	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
BA History	6	9	3	6	5	3	3
BA Teaching	5	3	4	6	8	2	4
Minor	5	0	3	2	3	1	1
Teaching Minor	1	0	0	1	0	0	0

Montana University System
PROGRAM REVIEW

Institution: **Montana State University Billings**

Program Years: **2018-2025**

List of the programs reviewed:

History Teaching Minor

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

Moratorium and Termination

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 History Teaching Minor is very small with only 2-3 people enrolled and only two people who have graduated with this degree during the years examined. Further, the College of Education confirms that this degree is unnecessary for the success of secondary teacher candidates since these students can receive the necessary credits from the other, more successful History degrees, which will be retained.

Enrollment

Teaching Minor	4	2	2	2	2	2	3
----------------	---	---	---	---	---	---	---

Completions

Teaching Minor	1	0	0	1	0	0	0
----------------	---	---	---	---	---	---	---

Montana University System
PROGRAM REVIEW

Institution: **Montana State University Billings**

Program Years: **2018-2025**

List of the programs reviewed:

Curriculum and Instruction, Teacher Licensure, MED

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

Retain the degree

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.

This program is aligned with the Montana Professional Educator Preparation Program Standards (PEPPS) and is accredited by the State of Montana and the national Council for Accreditation of Educator Preparation (CAEP). The administration and faculty have a strong commitment to providing high quality teacher education to shape the next generation of educators in Montana schools. They have a) designed the program to be accessible to provisionally licensed teacher candidates; b) undertaken substantial work on improving candidate assessments to be more reliable and valid; and c) articulated ideas for adapting to the changing landscapes in teacher education that contribute to the declining enrollment. In addition, the program has developed a clear five-year plan for recruitment and retention and has created an Advisory Board to address a range of areas and help to develop strategies in these areas to support future innovation and growth. There is a positive and pro-active approach to the program's future, with an openness to innovation.

Enrollment

2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
77	84	81	73	65	42	28

Completions

2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25
23	24	18	12	26	22	12