

Montana University System
PROGRAM REVIEW

Institution: Helena College University of Montana

Program Years: 2011-12

List of the programs reviewed:

- Certificate of Applied Science: Carpentry
 - Associate of Applied Science: Construction Technology
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Decision(s) concerning the future of the program(s), based on the program review criteria established at the campus:

The Program Review Committee of Helena College University of Montana recommends the continuation of all programs within the Construction Technology program areas based on data findings and faculty recommendations.

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.

Certificate of Applied Science: Carpentry

The information gathered during the internal review process signifies that the CAS in Carpentry has shown a decline in enrollment. Institutional data revealed that full-time enrollment has declined by two-thirds over the past three years. The completion rate of the CAS Carpentry program is varied as year one and three reflect near 50% completion, while the year two completion rate is 100%. The program continues to meet the educational requirements of the community although reflects low FTE.

Justification of Certificate Program in Carpentry

The Program Review Committee recommends the continuation of the Certificate of Applied Science: Carpentry. The local Construction Industry shows a minor decline in residential construction through the review period which appears to have affected the enrollment and completion rates in the CAS certificate program. Previous reviews have shown steady enrollment during periods of stable to growing housing markets. It is recommended that the CAS continue throughout the economic recovery period and base continuation on the next review period.

The CAS option allows students the opportunity to complete a program of study in one academic year and thus provides an accelerated pathway to employment. Although not statistically represented in this review, upon completion of a CAS, many students have gained academic confidence and choose to further their educational careers by transferring their CAS credits to the Associates of Applied Science degree in Construction Technology.

Associate of Applied Science: Construction Technology

The information gathered during the internal review process signifies that the A.A.S. in Construction Technology has shown a significant decline in enrollment. Institutional data revealed that full-time enrollment has declined by 50% over the past three years and new enrollment has declined by 90%. The completion rate of the A.A.S. in Construction Technology program has an overall completion rate of 66%. The program continues to meet the educational requirements of the community although FTE has declined.

Justification of Associates of Applied Science: Construction Technology

The Program Review Committee recommends the continuation of the Associates of Applied Science: Construction Technology degree. The declining enrollment, although not statistically represented here in, is due to the development of similar programs across the state, the energy boom and associated need for labor in eastern Montana and western North Dakota, and the housing market for new starts decline in the western part of the state. Previous reviews have shown steady enrollment during periods of stable to growing housing markets.

The program is evaluating strategies to meet the changing needs of the construction industry and the community. Developing green building and engineering technology pathways are being considered. In addition, the program supports the implementation of the UM Western Industrial Technology program housed at Helena College. The Western students are enrolled in Construction Technology courses as part of their degree requirements. It is recommended that the A.A.S. continue throughout the economic recovery period and the retooling evaluation and base continuation on the results of next review period.

Program Goals FY 2013

Full-time faculty will meet at the beginning of FY 2013 to review 3-Year Program Goals. The goals will be based on assessment and research obtained from the Exit Interview, Advisory Council input, research from the Perkins Grant, and other assessment tools.

Provide Access and Support

- Goal: Research and develop available transfer to A.S. interest areas options for Engineering Technology and green building programs (FY 2013)

Demonstrate Excellence

- Goal: Attend professional development opportunities to assist with curriculum development and revision

Strengthen Community

- Goal: Update the program to meet current and future industry and community needs
- Goal: Actively participate in the Rigorous Programs of Study and Big Sky Pathways initiatives.
- Goal: Search out transfer opportunities to four year institutions (FY 2013)

Capture retention and completion data

- Create an open ended survey for CAS: Carpentry and Construction Technology programs to capture data associated with transfer, retention, and completion. The data will be utilized in the curriculum evaluation.

Construction Technology Enrollment Fall 2009-2011

All Students	2009		2010		2011		3 Year Change +/-	
Enrollment Status	FT	PT	FT	PT	FT	PT	FT	PT
Carpentry CAS	3	0	6	0	1	0	-67%	0%
Construction Technology AAS	16	2	19	2	8	3	-50%	50%
Subtotal	19	2	25	2	9	3	-53%	50%
Total		21		27		12		-43%
New Students*								
Enrollment Status	FT	PT	FT	PT	FT	PT	FT	PT
Carpentry CAS	2	0	5	0	1	0	-50%	0%
Construction Technology AAS	10	0	5	0	1	0	-90%	0%
Subtotal	12	0	10	0	2	0	-83%	0%
Total		12		10		2		-83%
% of Total Enrollment		57%		37%		17%		-7%

* New students includes first-time and transfers

Construction Technology (150% Completion Time for Fall 2008 Cohort)

Program	Entering Cohort*	Degrees Earned	Graduation Rate
Carpentry CAS	2	1	50%
Construction Technology AAS	5	2	40%
Total	7	3	43%
UMH Overall	447	118	26%

*Entering cohort includes new, transfer and readmit students that entered in the fall 2008 semester

Construction Technology Degree Completions (2008-2011)

Program	AY 2008-2009	AY 2009-2010	AY 2010-2011
Carpentry CAS	1	1	2
Construction Technology AAS	8	3	6
Total	9	4	8
Completions/100 FTE	4	2	3
UMH Completions/100 FTE	21	19	18

** The readily available data utilized for completions doesn't specify concentrations for AA/AS degrees

Construction Technology Retention (Fall 2008-Fall 2011)

Program	Fall 08 to Fall 09	Fall 09 to Fall 10	Fall 10 to Fall 11
Carpentry CAS	50%	100%	40%
Construction Technology AAS	62%	60%	66%
UMH All Students	54%	53%	61%

% of students enrolled returning in subsequent fall semesters