Montana Board of Regents
CURRICULUM PROPOSAL FORM

1. Overview

We are requesting to require 30 credits for the CAS in Energy Technology and 60 credits for the AAS in Energy Technology.

2. Provide a one paragraph description of the proposed program. Be specific about what degree, major, minor or option is sought.

The Program introduces students to the sciences and technologies of energy and energy technology applications in both face-to-face formats and online formats.

3. Need

A. To what specific need is the institution responding in developing the proposed program?

Alignment with industry needs, academic rigor and student time to completion.

B. How will students and any other affected constituencies be served by the proposed program?

We expect to have a higher matriculation rate.

C. What is the anticipated demand for the program? How was this determined?

The demand is steady as indicated by our enrollment numbers.

4. Institutional and System Fit

A. What is the connection between the proposed program and existing programs at the institution?

We have several courses that are cross listed with Climate Change Studies and Environmental Science. We also have business students who routinely take our courses.

B. Will approval of the proposed program require changes to any existing programs at the institution? If so, please describe.

No.

C. Describe what differentiates this program from other, closely related programs at the institution (if appropriate).

Our program is unique, but has some courses that compliment the Building Trades, Forestry, and Climate Change Studies.

D. How does the proposed program serve to advance the strategic goals of the institution?

Many of the projects undertaken by Energy Technology students have been put into practice such as the pending solar PV installation on the Lommasson Building. Project such as this will bring us closer to our 2020 goal of carbon neutrality.

E. Describe the relationship between the proposed program and any similar programs within the Montana
University System. In cases of substantial duplication, explain the need for the proposed program at an additional institution. Describe any efforts that were made to collaborate with these similar programs; and if no efforts were made, explain why. If articulation or transfer agreements have been developed for the substantially duplicated programs, please include the agreement(s) as part of the documentation.

The Energy Technology Program, rather than focusing on a single technology such as wind, PV or biomass, gives students a broad base of courses for becoming experts in a variety of renewable energy technology fields and prepares them to pursue degrees in engineering.

5. Program Details

A. Provide a detailed description of the proposed curriculum. Where possible, present the information in the form intended to appear in the catalog or other publications. NOTE: In the case of two-year degree programs and certificates of applied science, the curriculum should include enough detail to determine if the characteristics set out in Regents’ Policy 301.12 have been met.

Please see the attached checklists for the CAS and AAS.

B. Describe the planned implementation of the proposed program, including estimates of numbers of students at each stage.

We do not expect to see a significant increase in enrollment, but do expect to see a 10 to 20% increase in matriculation rates.

6. Resources

A. Will additional faculty resources be required to implement this program? If yes, please describe the need and indicate the plan for meeting this need.

No.

B. Are other, additional resources required to ensure the success of the proposed program? If yes, please describe the need and indicate the plan for meeting this need.

No.

7. Assessment

How will the success of the program be measured?

By retention and matriculation.

8. Process Leading to Submission

Describe the process of developing and approving the proposed program. Indicate, where appropriate, involvement by faculty, students, community members, potential employers, accrediting agencies, etc.

This has been discussed with current students, recent graduates, current employees, prospective employers and other colleagues at peer institutions.