LEVEL I APPROVAL MEMORANDUM

Compiled here is the Level I memorandum containing items approved since the September 2018 Board of Regents Meeting. This memorandum from August and September 2018 contains items for which approval authority has been designated by the Board of Regents to the individual institutions or the Commissioner of Higher Education. The items before you have been approved and are now being shared with you for your notification.

- August 2018 Level I Memorandum
- September 2018 Level I Memorandum

LEVEL I MEMORANDUM

DATE: September 14, 2018

TO: Chief Academic Officers, Montana University System

FROM: Brock Tessman, Deputy Commissioner of Academic, Research, and Student Affairs

RE: August, 2018 Level I Academic Items

Contained within this memorandum are Level I proposals submitted by the institutions of the Montana University System in August, 2018. These proposals include items for which approval authority has been designated by the Board of Regents to the individual institutions or the Commissioner of Higher Education. These Level I items are being sent to you for your review. If you have concerns about a particular proposal, you should share those concerns with your colleagues at that institution and try to come to some understanding. If you cannot resolve your concerns, raise them at the Level I Chief Academic Officer's conference call on September, 18th. Issues not resolved at that meeting should be submitted in writing to OCHE by noon on Friday, September 21st . You will be notified of approved proposals by Tuesday, September 25th. The Board of Regents will be notified of the approved proposals at the November meeting of the Board.

1. **Campus Approvals**

   Montana State University Bozeman:
   - Notification of establishment of a Certificate of Technical Skills in Cybersecurity / Information Assurance
     Item #180-2010-LI0818 | Request Form

2. **OCHE Approvals**

   Dawson Community College:
   - Request for authorization to retitle Agribusiness Technology program to Livestock Production Management
     Item # 180-200-LI0818 | Request Form | Appendix

August, 2018

ITEM 180-2010-LI0818

Notification of the establishment of a Certificate of Technical Skills in CyberSecurity/Information Assurance.

THAT

Gallatin College Montana State University is notifying the Montana Board of Regents of its intent to establish a 15 credit CyberSecurity/Information Assurance Certificate of Technical Skills.

EXPLANATION

The program instructs students on how to better secure a network, prevent threats, secure a network when a hacker is inside, and cyber ethics. This content will support the needs of local, state and national businesses. Security is one of the top concerns of most industries across the country and this program will prepare students to support the information security needs of the private and public sectors.

ATTACHMENTS

Academic Proposal Request Form

Montana Board of Regents

ACADEMIC PROPOSAL REQUEST FORM

ITEM **180-2010-LI0818**   Submission Month or Meeting: **August, 2018**

Institution: **Gallatin College - Montana State University**   CIP Code: **11.1003**

Program/Center/Institute Title: **Certificate of Technical Skills in CyberSecurity/Information Assurance**

Includes (please specify below):   Online Offering _____   Options _____

Please mark the appropriate type of request and submit with an Item Template and any additional materials, including those listed in parentheses following the type of request. For more information pertaining to the types of requests listed below, how to complete an item request, or additional forms please visit http://mus.edu/che/arsa/preparingacademicproposals.asp.

X   **A. Level I:**

Campus Approvals

_____   **1a. Placing a postsecondary educational program into moratorium** (Program Termination and Moratorium Form)

_____   **1b. Withdrawing a postsecondary educational program from moratorium**

X   **2. Establishing, re-titling, terminating or revising a campus certificate of 29 credits or less**

_____   **3. Establishing a B.A.S./A.A./A.S. area of study**

_____   **4. Offering an existing postsecondary educational program via distance or online delivery**

OCHE Approvals

_____   **5. Re-titling an existing postsecondary educational program**

_____   **6. Terminating an existing postsecondary educational program** (Program Termination and Moratorium Form)

_____   **7. Consolidating existing postsecondary educational programs** (Curriculum Proposal Form)

_____   **8. Establishing a new minor where there is a major or an option in a major** (Curriculum Proposal Form)

_____   **9. Revising a postsecondary educational program** (Curriculum Proposal Form)

_____   **10. Establishing a temporary C.A.S. or A.A.S. degree program** *Approval limited to 2 years*

Montana Board of Regents
ACADEMIC PROPOSAL REQUEST FORM

B. Level II:

1. **Establishing a new postsecondary educational program** (Curriculum Proposal and Completed Intent to Plan Form)

2. **Exceeding the 120 credit maximum for baccalaureate degrees** *Exception to policy 301.11*

3. **Forming, eliminating or consolidating an academic, administrative, or research unit** (Curriculum or Center/Institute Proposal and Completed Intent to Plan Form, except when eliminating or consolidating)

4. **Re-titling an academic, administrative, or research unit**

Proposal Summary [360 words maximum]

What: Gallatin College Montana State University is establishing a 15 credit CyberSecurity/Information Assurance Certification of Technical Skills. The program instructs students on how to better secure a network, prevent threats, secure a network when a hacker is inside, and cyber ethics. This content will support the needs of local, state and national businesses. Security is one of the top concerns of most industries across the country and this program will prepare students to support the information security needs of the private and public sectors. This certificate of technical skills is designed for professionals already working in the Information technology industry.

Why: Gallatin College's industry advisory supports this offering and have noted a strong local demand for this type of technical education. Information Technology is one of the fastest-growing career fields today. The CyberSecurity/Information Assurance curriculum prepares students to support the information security needs of businesses. CyberSecurity/Information Assurance jobs are in high demand due to the rising number and sophistication of attacks. The growth rate for jobs in the field is projected to be 37 percent between 2012 and 2022, according to the Bureau of Labor Statistics. In Montana specifically, the growth outlook is very fast or 39% growth for a 10-year period, and the workforce demand is "very strong" for this occupation according to the Montana Department of Labor.

Resources: A 9 credit NTT will be required to teach 3 of the courses in this program, this an annual expense of $9,000. One-time only start-up equipment will be required for a projected amount of $24,000. Gallatin College Montana State University is requesting this amount through the Computer Fee Allocation process at MSU if this is approved. Gallatin College Montana State University will also utilize County Mill Levy funding to get this program started.

Relationship to similar MUS programs

According to the Montana University System CCN website Missoula College, had the only other Cyber Security program in the MUS at the writing of the Intent to Plan for this program. During the spring of 2018 when the intent to plan for this program was being proposed additional two-year colleges expressed interest in offering a cyber security program.   After concerns raised during the CAO call on 3.20.18 by Missoula College about possible redundancies, representatives from Missoula College and Gallatin College MSU (Clint Reading, Tom Gallagher, Stephanie Gray and Sarah Maki) held a phone meeting on 4.4.18 to discuss ways to partner with Missoula College's online Cybersecurity courses. It was determined that

Montana Board of Regents
ACADEMIC PROPOSAL REQUEST FORM

students in Bozeman who wish to enroll in online courses could pursue this option through Missoula College. Future collaboration between IT Program Directors Tom Gallagher (Missoula College) and Ronda Black (Gallatin College) was planned to maintain curricula alignment between shared courses and develop CAE industry outcomes, and the need for more state-wide collaboration between IT programs was also discussed. A state-wide CAE meeting was held in Bozeman on 9.27.17 where all IT directors and faculty from across the MUS met to discuss current industry needs and curricula alignment (including the design of new Cybersecurity programs at Gallatin College MSU and Great Falls College MSU). A follow-up to this meeting was recommended for fall of 2018, as well as the need for regular (possibly every three years) state-wide meetings with department heads by discipline to ensure curricula alignment and industry updating. At writing of this certificate of technical skills academic proposal, Missoula College and Gallatin College Montana State University have agreed that both programs are relevant and needed to serve the states needs and they will continue to collaborate on cyber security offerings.

August 2018

ITEM 180-200-LI0818

Request to re-title Agribusiness Technology program to Livestock Production Management

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THAT

Dawson Community College is requesting to change the title of the Associate of Applied Science in Agribusiness Technology to an Associate of Applied Science in Livestock Production Management

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EXPLANATION

Re-titling this program more closely aligns with the curriculum, as well as other similar programs at the college and within the MUS.

ATTACHMENTS

Academic Proposal Form
Advisory Committee Approval (Meeting Minutes)

Montana Board of Regents

ACADEMIC PROPOSAL REQUEST FORM

ITEM **180-200-LI0818**   Submission Month or Meeting: **August 2018**

Institution: **Dawson Community College**   CIP Code: **01.0906**

Program/Center/Institute Title: **Livestock Production Management**

Includes (please specify below):   Online Offering _____   Options _____

Please mark the appropriate type of request and submit with an Item Template and any additional materials, including those listed in parentheses following the type of request. For more information pertaining to the types of requests listed below, how to complete an item request, or additional forms please visit http://mus.edu/che/arsa/academicproposals.asp.

_____ **A. Level I:**

Campus Approvals

1a. Placing a postsecondary educational program into moratorium (Program Termination and Moratorium Form)

1b. Withdrawing a postsecondary educational program from moratorium

2. Establishing, re-titling, terminating or revising a campus certificate of 29 credits or less

3. Establishing a B.A.S./A.A./A.S. area of study

4. Offering an existing postsecondary educational program via distance or online delivery

OCHE Approvals

X **5. Re-titling an existing postsecondary educational program**

6. Terminating an existing postsecondary educational program (Program Termination and Moratorium Form)

7. Consolidating existing postsecondary educational programs (Curriculum Proposal Form)

8. Establishing a new minor where there is a major or an option in a major (Curriculum Proposal Form)

9. Revising a postsecondary educational program (Curriculum Proposal Form)

10. Establishing a temporary C.A.S. or A.A.S. degree program *Approval limited to 2 years*

Montana Board of Regents
ACADEMIC PROPOSAL REQUEST FORM

B. Level II:

1. **Establishing a new postsecondary educational program** (Curriculum Proposal and Completed Intent to Plan Form)

2. **Exceeding the 120 credit maximum for baccalaureate degrees** *Exception to policy 301.11*

3. **Forming, eliminating or consolidating an academic, administrative, or research unit** (Curriculum or Center/Institute Proposal and Completed Intent to Plan Form, except when eliminating or consolidating)

4. **Re-titling an academic, administrative, or research unit**

Proposal Summary [360 words maximum]

What

DCC is proposing to change the title of the A.A.S degree in Agribusiness Technology program to Livestock Production Management. This reflects changes in curriculum to add more animal science and production courses and reduce the number of business related courses.

Why

DCC currently offers a Certificate of Applied Science in Livestock Technology, changing the AAS to match this titling will create consistency for students.

Relationship to similar MUS programs

In the MUS, Miles Community College and MSU-Bozeman offer Livestock Management options as part of their Animal Science programs. Renaming this DCC program to Livestock Production Management more closely aligns with those related programs in the system.

Agriculture Advisory Committee
Dawson Community College

Monday, September 17, 2018 6:16 pm all members present   Meeting End: 7:37 pm

Tom Ree   President: Dr. Scott Mickelsen
Paul Eiker   AVPAA: Traci Masau
Kim Eaton   Agriculture Instructor/ Program Director: Laura Garcia
Cade Bare
Alix Whittmeyer
Scott Eaton
Jim Steinbeisser

1. Curriculum changes

   Change of courses to move from business and Ag Education to Animal Science and production.
   Alix Whittmeyer, Tom Ree: Business courses to remain: accounting procedures and Economics.
   Laura Garcia, Tom Ree: Animal Science courses to be adopted: Animal Reproduction, Calving
   management, Animal Husbandry, Intro to Meat Evaluation, Capstone

2. Program name change

   Move from Agribusiness Technology to Livestock Production
   Kim Eaton: "Business" to be removed
   Jim Steinbeisser: "management" to be added
   All: "Livestock Production Management"

3. Additional new courses and potential new certificates (to benefit the new packing plant)

   Scott Mickelsen: add emphasis in future
   Laura Garcia: Meat Science, Ag Sales AAS to be continued
   Jim Steinbeisser, Scott Eaton: Potential courses to add: Crop Science, Record Keeping, Ag Law
   Tom Ree, Alix Whittmeyer: Ag sales to benefit DCC, coursework overlap would benefit Ag
   program in general.

4. Summer classes/workshops

   Laura Garcia, Scott Mickelsen: Meat Science Workshop,
   Kim Eaton, Cade Bare: summer internship opportunities

5. Collegiate FFA

   All: Community Service opportunities and potential contest host

Meeting End: 7:37 pm

LEVEL I MEMORANDUM

DATE: September 25, 2018

TO: Chief Academic Officers, Montana University System

FROM: Brock Tessman, Deputy Commissioner for Academic, Research, and Student Affairs

RE: September 2018 Level I Academic Items

Contained within this memorandum are Level I proposals submitted by the institutions of the Montana University System in September, 2018. These proposals include items for which approval authority has been designated by the Board of Regents to the individual institutions or the Commissioner of Higher Education. These Level I items are being sent to you for your review. If you have concerns about a particular proposal, you should share those concerns with your colleagues at that institution and try to come to some understanding. If you cannot resolve your concerns, raise them at the Level I Chief Academic Officer's conference call on October 16th. Issues not resolved at that meeting should be submitted in writing to OCHE by noon on Friday, October 19th . You will be notified of approved proposals by October 23rd. The Board of Regents will be notified of the approved proposals at the November 2018 meeting of the Board.

1. **Campus Approvals**

   Flathead Valley Community College:
   - Notification of the establishment of a C.T.S. in Baking and Pastry
     Item #180-301-L10918 | Request Form

   Miles Community College:
   - Notification of the establishment of Certificate in Networking Technician
     Item # 179-403-L10618 | Request Form

   Montana State University – Billings:
   - Notification of placement of M.Ed. in Online Instructional Technologies into Moratorium
     Item # 180-2710-LI0918 | Request Form | Program Termination/Moratorium Form

   Great Falls College - MSU:
   - Notification of the establishment of a C.T.S. in Cybersecurity
     Item # 180-2910-LI0918 | Request Form

2. **OCHE Approvals**

   Great Falls College - MSU:
   - Request for Authorization to add a temporary A.A.S. in Cybersecurity
     Item # 180-2911-LI0918 | Request Form

September 2018

ITEM 180-301-L10918

Notification of the establishment of a C.T.S. in Baking and Pastry

THAT

> Flathead Valley Community College is notifying the Montana Board of Regents of its intent to establish a 24-credit certificate of technical studies in Baking and Pastry.

EXPLANATION

The opportunity for employment for chefs including dessert and pastry chefs will grow by approximately 8% in the upcoming years, faster than the national average for other careers as reported by the U.S. Bureau of Labor and Statistics projections. The Baking and Pastry CTS program will provide students training to pursue another career path within the hospitality profession. Our program will be the first in the State of Montana to provide this opportunity for culinary students to further their skill and build a broader foundation in another aspect of culinary education.

ATTACHMENTS

> Academic Proposal Request Form

Montana Board of Regents
ACADEMIC PROPOSAL REQUEST FORM

ITEM **180-301-L10918**   Submission Month or Meeting: **September 2018**

Institution: **FVCC**   CIP Code: **12.0501**

Program/Center/Institute Title: **Baking and Pastry C.T.S.**

Includes (please specify below):   Online Offering _____   Options _____

Please mark the appropriate type of request and submit with an Item Template and any additional materials, including those listed in parentheses following the type of request. For more information pertaining to the types of requests listed below, how to complete an item request, or additional forms please visit http://mus.edu/che/arsa/academicproposals.asp.

_X_   A. Level I:

Campus Approvals

1a. Placing a postsecondary educational program into moratorium (Program Termination and Moratorium Form)

1b. Withdrawing a postsecondary educational program from moratorium

_X_   2. Establishing, re-titling, terminating or revising a campus certificate of 29 credits or less

3. Establishing a B.A.S./A.A./A.S. area of study

4. Offering an existing postsecondary educational program via distance or online delivery

OCHE Approvals

5. Re-titling an existing postsecondary educational program

6. Terminating an existing postsecondary educational program (Program Termination and Moratorium Form)

7. Consolidating existing postsecondary educational programs (Curriculum Proposal Form)

8. Establishing a new minor where there is a major or an option in a major (Curriculum Proposal Form)

9. Revising a postsecondary educational program (Curriculum Proposal Form)

10. Establishing a temporary C.A.S. or A.A.S. degree program _Approval limited to 2 years_

Montana Board of Regents

_____ **B. Level II:**

_____ **1. Establishing a new postsecondary educational program** (Curriculum Proposal and Completed Intent to Plan Form)

_____ **2. Exceeding the 120 credit maximum for baccalaureate degrees** *Exception to policy 301.11*

_____ **3. Forming, eliminating or consolidating an academic, administrative, or research unit** (Curriculum or Center/Institute Proposal and Completed Intent to Plan Form, except when eliminating or consolidating)

_____ **4. Re-titling an academic, administrative, or research unit**

Proposal Summary [360 words maximum]

What: A 24-credit C.T.S. in Baking and Pastry

Why: The purpose of curriculum is to diversify the skill-set of culinary students with courses in artisan breads, chocolates and confections, European tortes, pastries, plated desserts, wedding cakes, and centerpieces. Students will receive first-hand experience in how a successful bakery café is operated to prepare the graduates to further their professional career opportunities.

Resources: FVCC already has a fully functional instructional kitchen able to accommodate this program.

Relationship to similar MUS programs: There are no similar programs in the MUS system.

June 26, 2018

ITEM 179-403-L10618

Notification of the establishment of a C. in Networking Technician

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THAT

Miles Community College notifies the Montana Board of Regents of the establishment of a C. of 29 or fewer credits in Networking Technician.

EXPLANATION

Miles Community College is striving to meet the workforce needs associated with Information Technology. This one-year certificate program is designed to provide students with networking skills for employment in entry-level networking support positions. Cisco Certified Entry Networking Technician (CCENT) certification could be obtained after completing this certificate.

ATTACHMENTS

Academic Proposal Request Form

Montana Board of Regents

ACADEMIC PROPOSAL REQUEST FORM

ITEM **179-403-L10618**   Submission Month or Meeting: **June 2018**

Institution: **Miles Community College**   CIP Code: **111001**

Program/Center/Institute Title: **C. in Networking Technician**

Includes (please specify below):   Online Offering _____   Options _____

Please mark the appropriate type of request and submit with an Item Template and any additional materials, including those listed in parentheses following the type of request. For more information pertaining to the types of requests listed below, how to complete an item request, or additional forms please visit http://mus.edu/che/arsa/academicproposals.asp.

A. Level I:

Campus Approvals

1a. Placing a postsecondary educational program into moratorium (Program Termination and Moratorium Form)

1b. Withdrawing a postsecondary educational program from moratorium

X   **2. Establishing, re-titling, terminating or revising a campus certificate of 29 credits or less**

3. Establishing a B.A.S./A.A./A.S. area of study

4. Offering an existing postsecondary educational program via distance or online delivery

OCHE Approvals

5. Re-titling an existing postsecondary educational program

6. Terminating an existing postsecondary educational program (Program Termination and Moratorium Form)

7. Consolidating existing postsecondary educational programs (Curriculum Proposal Form)

8. Establishing a new minor where there is a major or an option in a major (Curriculum Proposal Form)

9. Revising a postsecondary educational program (Curriculum Proposal Form)

10. Establishing a temporary C.A.S. or A.A.S. degree program *Approval limited to 2 years*

Montana Board of Regents
ACADEMIC PROPOSAL REQUEST FORM

B. Level II:

____

1. **Establishing a new postsecondary educational program** (Curriculum Proposal and Completed Intent to Plan Form)

____

2. **Exceeding the 120 credit maximum for baccalaureate degrees** *Exception to policy 301.11*

____

3. **Forming, eliminating or consolidating an academic, administrative, or research unit** (Curriculum or Center/Institute Proposal and Completed Intent to Plan Form, except when eliminating or consolidating)

____

4. **Re-titling an academic, administrative, or research unit**

Proposal Summary [360 words maximum]

What: Miles Community College notifies the Montana Board of Regents of the establishment of a Certificate of 29 or fewer credits in Networking Technician.

Why: Miles Community College is striving to meet the workforce needs associated with Information Technology. This one-year certificate program is designed to provide students with networking skills for employment in entry-level networking support positions. Cisco Certified Entry Networking Technician (CCENT) certification could be obtained after completing this certificate.

Resources: No additional resources will be needed.

Relationship to similar MUS programs: N/A

September 2018

ITEM 180-2710-LI0918

Notification of placement of the M.Ed. in Online Instructional Technologies into Moratorium

THAT

The Education Theory and Practice Department at Montana State University Billings request authorization to place the M.Ed,. in Online Instructional Technologies into moratorium.

EXPLANATION

MSU Billings is seeking authorization to place the M.Ed in Online Instructional Technologies in moratorium starting Fall 2018. The Department sees great potential and need for the program among state, regional, national and international agencies and institutions, and the program is strong academically. However, the enrollment has been in decline and we would like to pursue marketing and recruitment avenues and put in place a cohort model to provide the program more stable enrollments. A cohort of 10 to 15 students would allow us to effectively teach the specialty courses instead of canceling course with low enrollments.

ATTACHMENTS

Academic Proposal Request Form
Program Termination Form

Montana Board of Regents

ACADEMIC PROPOSAL REQUEST FORM

ITEM **180-2710-LI1018**   Submission Month or Meeting: **September, 2018**

Institution: **Montana State University Billings**   CIP Code: **09.0101**

Program/Center/Institute Title: **M.Ed in Online Instructional Technologies**

Includes (please specify below):   Online Offering **X**   Options _____

Please mark the appropriate type of request and submit with an Item Template and any additional materials, including those listed in parentheses following the type of request. For more information pertaining to the types of requests listed below, how to complete an item request, or additional forms please visit http://mus.edu/che/arsa/preparingacademicproposals.asp.

X   A. Level I:

Campus Approvals

X   **1a. Placing a postsecondary educational program into moratorium** (Program Termination and Moratorium Form)

1b. Withdrawing a postsecondary educational program from moratorium

2. Establishing, re-titling, terminating or revising a campus certificate of 29 credits or less

3. Establishing a B.A.S./A.A./A.S. area of study

4. Offering an existing postsecondary educational program via distance or online delivery

OCHE Approvals

5. Re-titling an existing postsecondary educational program

6. Terminating an existing postsecondary educational program (Program Termination and Moratorium Form)

7. Consolidating existing postsecondary educational programs (Curriculum Proposal Form)

8. Establishing a new minor where there is a major or an option in a major (Curriculum Proposal Form)

9. Revising a postsecondary educational program (Curriculum Proposal Form)

10. Establishing a temporary C.A.S. or A.A.S. degree program *Approval limited to 2 years*

Montana Board of Regents
ACADEMIC PROPOSAL REQUEST FORM

B. Level II:

    1. Establishing a new postsecondary educational program (Curriculum Proposal and Completed Intent to Plan Form)

    2. Exceeding the 120 credit maximum for baccalaureate degrees *Exception to policy 301.11*

    3. Forming, eliminating or consolidating an academic, administrative, or research unit (Curriculum or Center/Institute Proposal and Completed Intent to Plan Form, except when eliminating or consolidating)

    4. Re-titling an academic, administrative, or research unit

Proposal Summary [360 words maximum]

What: MSU Billings is seeking authorization to place the program, M.Ed. in Online Instructional Technologies, into moratorium for one year so that we can

Why: MSU Billings is seeking authorization to place the MEd in Online Instructional Technologies in Moratorium starting Fall 2018. The Department sees great potential and need for the program among state, regional, national and international agencies and institutions, and the program is strong academically. However, the enrollment has been in decline and we would like to pursue marketing and recruitment avenues and put in place a cohort model to provide the program more stable enrollment. A cohort of 10 to 15 students would allow us to effectively teach the specialty courses, instead of canceling courses with low enrollments.

Resources: None

Relationship to similar MUS programs: None

Montana University System
PROGRAM TERMINATION/MORATORIUM FORM

Please complete the following questionnaire prior to submission of a program for termination or placement into moratorium. Please add additional comments beneath each question where applicable.

Program Title:

Program is being __X__ **Placed into moratorium** _____ **Terminated**

1. **Are there currently students enrolled in the program? (If yes, please answer questions a - c below.)**   Y: _____   N: __x__

   a.) **Have all students currently enrolled in the program been met with and informed of the impending termination/moratorium?**   Y: _____   N: _____

   b.) **What is the expected graduation date of all students from the program?**

   c.) **Have course offerings been planned to allow for students in the program to complete the degree in a reasonable fashion?**   Y: _____   N: _____

2. **Will any faculty layoffs or changes in working conditions occur because of the termination/moratorium? (If yes, please answer questions a - b below.)**   Y: _____   N: __x__

   a.) **Have the faculty affected by the program termination/moratorium been notified?**   Y: _____   N: _____

   b.) **Please describe any layoffs that will occur including the date expected?**

Montana University System
PROGRAM TERMINATION/MORATORIUM FORM

3. The following parties, where applicable, have been notified of the impending program termination/moratorium. (Please mark X for completed, NA for not applicable):

   a.) Internal Curriculum Committees _____x_____

   b.) Faculty Senate _____x_____

   c.) Program Public Advisory Committee _____

   d.) Articulation Partners _____

4. Has there been any negative feedback received from students, faculty, or other constituents regarding the impending termination/moratorium? (If yes, please explain below.)   Y: _____   N: _X_

September 2018

ITEM 180-2910-LI0918

Notification of the establishment of a C.T.S. in Cybersecurity

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THAT

Great Falls College Montana State University is notifying the Board of Regents of its intent to establish a 20 credit certificate of technical studies in Cybersecurity.

EXPLANATION

Cybercrime is increasing an incredibly fast pace, and the demand for well-trained cyber security professionals is rising rapidly and is only going to increase substantially in next 5 years, way out pacing the available job force. Introducing a C.T.S. in Cyber Security program at GFC MSU will help professionals in the computer technology field increase their skills and employability.

ATTACHMENTS

Academic Proposal Request Form

Montana Board of Regents

ACADEMIC PROPOSAL REQUEST FORM

ITEM **180-2910-LI0918**   Submission Month or Meeting: **September 2018**

Institution: **Great Falls College MSU**   CIP Code: **11.0501**

Program/Center/Institute Title: **C.T.S. in Cybersecurity**

Includes (please specify below):   Online Offering _____   Options _____

Please mark the appropriate type of request and submit with an Item Template and any additional materials, including those listed in parentheses following the type of request. For more information pertaining to the types of requests listed below, how to complete an item request, or additional forms please visit http://mus.edu/che/arsa/academicproposals.asp.

_X_   A. Level I:

Campus Approvals

1a. Placing a postsecondary educational program into moratorium (Program Termination and Moratorium Form)

1b. Withdrawing a postsecondary educational program from moratorium

_X_   2. Establishing, re-titling, terminating or revising a campus certificate of 29 credits or less

3. Establishing a B.A.S./A.A./A.S. area of study

4. Offering an existing postsecondary educational program via distance or online delivery

OCHE Approvals

5. Re-titling an existing postsecondary educational program

6. Terminating an existing postsecondary educational program (Program Termination and Moratorium Form)

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Montana Board of Regents
ACADEMIC PROPOSAL REQUEST FORM

____ **B. Level II:**

____ **1. Establishing a new postsecondary educational program** (Curriculum Proposal and Completed Intent to Plan Form)

____ **2. Exceeding the 120 credit maximum for baccalaureate degrees** *Exception to policy 301.11*

____ **3. Forming, eliminating or consolidating an academic, administrative, or research unit** (Curriculum or Center/Institute Proposal and Completed Intent to Plan Form, except when eliminating or consolidating)

____ **4. Re-titling an academic, administrative, or research unit**

Proposal Summary [360 words maximum]

What Great Falls College MSU proposes a C.T.S. in Cybersecurity that will focus on techniques, policies and procedures which will prepare students to defend and secure key components of a data centers network and infrastructure critical assets. The C.T.S. in Cybersecurity will concentrate on ethics, security and computer forensics, along with a foundation for multiple industry certifications, such as CompTIA Security+, Network + and A +. The C.T.S. is geared towards professionals already working in the computer technology field.

Why Cybercrime is increasing an incredibly fast pace, and the demand for well-trained cyber security professionals is rising rapidly and is only going to increase substantially in next 5 years way out pacing the available job force. Introducing a C.T.S. in Cyber Security program at GFC MSU will help professionals in the computer technology field increase their skills and employability.

Resources The current plan is to utilize adjunct faculty and, if need be, some overload on the part of regular faculty.

Relationship to similar MUS programs
Missoula College U of M, Gallatin College MSU and Great Falls College MSU held a conference call on April 25, 2018, to plan for future collaboration between each of our IT Programs to meet current needs in industry across the state, most notably in the rapidly growing sector of Cybersecurity.

September 2018

ITEM 180-2911-LI0918

Request for Authorization to add a temporary A.A.S. in Cybersecurity

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THAT

Great Falls College Montana State University is requesting authorization to establish a 64 credit associate of applied science in Cybersecurity.

EXPLANATION

Cybercrime is increasing at an incredibly fast pace, and the demand for well-trained cybersecurity professionals is rising rapidly and is only going to increase substantially in the next 5 years, way out pacing the available job force. Introducing an A.A.S. in Cybersecurity program at GFC MSU will provide a pathway for students to start a lifelong career within a field that will be in high demand, as the current trends indicate that in 2022 for every 3 jobs available in this field there will only be one applicant. The program at GFCMSU will prepare these degree-seeking students to meet that demand.

ATTACHMENTS

Academic Proposal Request Form

Montana Board of Regents

ACADEMIC PROPOSAL REQUEST FORM

ITEM **180-2911-LI0918**   Submission Month or Meeting: **September 2018**

Institution: **Great Falls College MSU**   CIP Code: **11.0501**

Program/Center/Institute Title: **A.A.S. in Cybersecurity**

Includes (please specify below):   Online Offering _____   Options _____

Please mark the appropriate type of request and submit with an Item Template and any additional materials, including those listed in parentheses following the type of request. For more information pertaining to the types of requests listed below, how to complete an item request, or additional forms please visit http://mus.edu/che/arsa/academicproposals.asp.

X   **A. Level I:**

Campus Approvals

1a. Placing a postsecondary educational program into moratorium (Program Termination and Moratorium Form)

1b. Withdrawing a postsecondary educational program from moratorium

2. Establishing, re-titling, terminating or revising a campus certificate of 29 credits or less

3. Establishing a B.A.S./A.A./A.S. area of study

4. Offering an existing postsecondary educational program via distance or online delivery

OCHE Approvals

5. Re-titling an existing postsecondary educational program

6. Terminating an existing postsecondary educational program (Program Termination and Moratorium Form)

7. Consolidating existing postsecondary educational programs (Curriculum Proposal Form)

8. Establishing a new minor where there is a major or an option in a major (Curriculum Proposal Form)

9. Revising a postsecondary educational program (Curriculum Proposal Form)

X   **10. Establishing a temporary C.A.S. or A.A.S. degree program** *Approval limited to 2 years*

Montana Board of Regents
ACADEMIC PROPOSAL REQUEST FORM

B. Level II:

    1. Establishing a new postsecondary educational program (Curriculum Proposal and Completed Intent to Plan Form)

    2. Exceeding the 120 credit maximum for baccalaureate degrees *Exception to policy 301.11*

    3. Forming, eliminating or consolidating an academic, administrative, or research unit (Curriculum or Center/Institute Proposal and Completed Intent to Plan Form, except when eliminating or consolidating)

    4. Re-titling an academic, administrative, or research unit

Proposal Summary [360 words maximum]

What Great Falls College MSU proposes an A.A.S. in Cybersecurity program that will focus on techniques, policies and procedures which will prepare students to defend and secure key components of a data centers network and infrastructure critical assets. The Cybersecurity program area of study will concentrate on network fundamentals, ethics, security and computer forensics along with a foundation for multiple industry certifications such as Security +, CCNA Cyber Ops, and MSCA/E to name a few.

Why Cybercrime is increasing at an incredibly fast pace, and the demand for well-trained cybersecurity professionals is rising rapidly and is only going to increase substantially in the next 5 years, way out pacing the available job force. Introducing an A.A.S. in Cybersecurity program at GFC MSU will provide a pathway for students to start a lifelong career within a field that will be in high demand, as the current trends indicate that in 2022 for every 3 jobs available in this field there will only be one applicant. The program at GFCMSU will prepare these degree-seeking students to meet that demand.

Resources The current plan is to utilize adjunct faculty and, if need be, some overload on the part of regular faculty.

Relationship to similar MUS programs
Missoula College U of M, Gallatin College MSU and Great Falls College MSU held a conference call on April 25, 2018, to plan for future collaboration between each of our IT Programs to meet current needs in industry across the state, most notably in the rapidly growing sector of Cybersecurity.