SUBJECT: Program Productivity Review

Data from the program productivity review process were evaluated during the November 2015 AAC meeting, and a formal item outlining underperforming programs as defined by the Program Productivity Guidelines were reviewed by the Board of Regents at their December 2015 meeting. Table 1 provides the list of those programs for FY15 that have fallen below the program productivity review thresholds that were set by the Board. The Board of Regents approved a set of common thresholds based on the major degree level including: 1) five associate’s degrees/year or 25 during the five-year period reported; 2) five bachelor’s degrees/year or 25 during the five-year period reported; 3) three master’s degrees/year or 15 during the five-year period reported; and 4) one first professional and doctor’s degrees/year or 5 during the five-year period reported. Excluded are those programs that have been approved within the past seven years (graduation production of these programs are provided to institutions in subsequent data reports to provide for ongoing tracking of production levels). Institutions were informed that those programs depicted in Table 1, must be assign one of the five designation types noted below to the programs identified in this year’s review:

1. Retain due to critical need;
2. Retain with further review required;
3. Consolidate with another program on campus;
4. Consolidate with another program(s) within the system;
5. Terminate.

The institutional responses to the complete list of identified courses were reviewed at the February 2016 AAC meeting. Following discussion the final set of recommendations and designations were developed and can be found in Attachments I-V. The Board of Regents is asked to consider these recommendations and approve the new set of designations that will be further outlined in Academic Affairs Guidelines which track the program productivity review process.
<table>
<thead>
<tr>
<th>Degree Type</th>
<th>Major</th>
<th>FY11-FY15</th>
<th>Recommended Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BLACK HILLS STATE UNIVERSITY</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Assoc</strong></td>
<td>Tourism</td>
<td>9</td>
<td>Retain/further review: stacks to BS program, incurs no additional cost, only related program in state.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Business Education</td>
<td>5</td>
<td>Retain/critical need: Program addresses shortage of business teachers in SD.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Chemistry</td>
<td>4</td>
<td>Retain/further review: Necessary to support other science programs; program marketing plan in place.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Chemistry Education</td>
<td>2</td>
<td>Retain/critical need: Relates to BHSU mission and critical need for chemistry educators exists.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Communication Studies/Theatre</td>
<td>0</td>
<td>Retain/critical need: Courses overlap with education programs, no additional cost. New performance space expected to increase enrollments.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Composite Communication/Engl</td>
<td>10</td>
<td>Retain/critical need: Needed for preparing language arts teachers. Working on advising plan to improve enrollments.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Composite Math/Science</td>
<td>11</td>
<td>Retain/critical need: Developed in response to shortage of rural math/science teachers. 12 currently enrolled.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Composite Music</td>
<td>7</td>
<td>Retain/critical need: Courses overlap with music education, no additional cost to program; Recruitment plan in place.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Composite Science Education</td>
<td>10</td>
<td>Retain/critical need: Developed in response to shortage of rural science teachers; courses apply to other majors, no additional cost.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Composite Speech/Comm.</td>
<td>0</td>
<td>Terminate: Program similar to Composite English.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Music Education</td>
<td>8</td>
<td>Retain/critical need: Core music program at BH, prepares music educators. Recruitment plan in place.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Physical Science</td>
<td>0</td>
<td>Retain/further review: 13 currently enrolled, interest growing due to SURF.</td>
</tr>
<tr>
<td><strong>Bach</strong></td>
<td>Spanish</td>
<td>13</td>
<td>Retain/critical need: Only BH foreign language major for non-teachers; courses overlap with Spanish Education, no additional cost.</td>
</tr>
<tr>
<td>Degree Type</td>
<td>Major</td>
<td>FY11-FY15</td>
<td>Recommended Action</td>
</tr>
<tr>
<td>-------------</td>
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<td>-----------</td>
<td>------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Assoc</td>
<td>General Studies</td>
<td>22</td>
<td>Retain/further review: Program approved within last 7 years; feeder program for other DSU programs.</td>
</tr>
<tr>
<td>Assoc</td>
<td>Network/Security Admin</td>
<td>0</td>
<td>Retain/further review: Program name changed in 2014, 28 currently enrolled. Former program “Network/Systems Administration” to terminate after enrollees graduate.</td>
</tr>
<tr>
<td>Bach</td>
<td>Biology Education</td>
<td>6</td>
<td>Retain/critical need: Program addresses shortage of biology teachers in SD.</td>
</tr>
<tr>
<td>Bach</td>
<td>Business Education</td>
<td>7</td>
<td>Retain/critical need: Program addresses shortage of business teachers in SD.</td>
</tr>
<tr>
<td>Bach</td>
<td>Business Technology</td>
<td>2</td>
<td>Retain/further review: Program name changed in 2012, 14 currently enrolled. Former program “Management for Information Systems” to terminate after enrollees graduate.</td>
</tr>
<tr>
<td>Bach</td>
<td>Computer Education</td>
<td>6</td>
<td>Retain/critical need: Program addresses shortage of computer teachers in SD; only program in SD.</td>
</tr>
<tr>
<td>Bach</td>
<td>English Education</td>
<td>12</td>
<td>Retain/critical need: Program addresses shortage of computer teachers in SD; only program in SD.</td>
</tr>
<tr>
<td>Bach</td>
<td>Management Information Systems</td>
<td>16</td>
<td>Retain/further review: Program name changed in 2012 to “Business Technology,” will terminate when current enrollees graduate.</td>
</tr>
<tr>
<td>Bach</td>
<td>Math Information Systems</td>
<td>18</td>
<td>Retain/further review: Program name changed in FY15-16 to “Math Information Systems,” former program “MATHS” will terminate when current enrollees graduate.</td>
</tr>
<tr>
<td>Bach</td>
<td>Network/Security Admin</td>
<td>0</td>
<td>Retain/further review: Program name changed in 2014, 145 currently enrolled. Former program “Network/Systems Administration” to terminate after enrollees graduate.</td>
</tr>
<tr>
<td>Bach</td>
<td>Physical Science</td>
<td>4</td>
<td>Retain/further review: Program name changed in 2015. Former program to terminate after enrollees graduate.</td>
</tr>
<tr>
<td>Bach</td>
<td>English for Information Systems</td>
<td>9</td>
<td>Terminate</td>
</tr>
</tbody>
</table>
### Table 1 Continued

**Programs Falling Below the Program Productivity Review Thresholds for FY15**

<table>
<thead>
<tr>
<th>Degree Type</th>
<th>Major</th>
<th>FY11-FY15</th>
<th>Recommended Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bach</td>
<td>Professional &amp; Technical Comm.</td>
<td>0</td>
<td>Terminate: Terminate in Spring 16, teach-out for existing 5 students.</td>
</tr>
<tr>
<td>Bach</td>
<td>Professional Accountancy</td>
<td>18</td>
<td>Retain/further review: New dean hired with increasing enrollment a priority.</td>
</tr>
<tr>
<td>Bach</td>
<td>Respiratory Care</td>
<td>12</td>
<td>Retain/critical need: Current enrollment of 48 students highest in last 8 years; only program in SD.</td>
</tr>
<tr>
<td>Mast/Spec</td>
<td>Analytics</td>
<td>0</td>
<td>Retain/further review: New program in 14, shared with SDSU. 34 currently enrolled.</td>
</tr>
<tr>
<td>Doct/Prof</td>
<td>Cyber Security</td>
<td>0</td>
<td>New program in 14, currently 14 enrolled.</td>
</tr>
<tr>
<td><strong>Northern State University</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assoc</td>
<td>Digital Design</td>
<td>0</td>
<td>Retain/further review: Feeder program for BA degree, courses do not add additional cost.</td>
</tr>
<tr>
<td>Bach</td>
<td>Art Education Comprehensive</td>
<td>1</td>
<td>Retain/critical need: Program addresses shortage of art teachers in SD, program is fully accredited.</td>
</tr>
<tr>
<td>Bach</td>
<td>Communication Studies</td>
<td>3</td>
<td>Retain/critical need: Program important to NSU mission, enrollments consistently growing in last 5 years (30 current enrollees).</td>
</tr>
<tr>
<td>Bach</td>
<td>Economics</td>
<td>14</td>
<td>Retain/further review: Critical to the School of Business. Recruitment plan in place.</td>
</tr>
<tr>
<td>Bach</td>
<td>French Studies</td>
<td>2</td>
<td>Terminated</td>
</tr>
<tr>
<td>Bach</td>
<td>German</td>
<td>4</td>
<td>Retain/critical need: Collaborative program with SDSU &amp; USD, combined graduates meet threshold.</td>
</tr>
<tr>
<td>Bach</td>
<td>Management Information Systems</td>
<td>13</td>
<td>Retain/further review: Program redesigned in 2015 and new faculty hired to promote new direction.</td>
</tr>
<tr>
<td>Bach</td>
<td>Medical Laboratory Science</td>
<td>12</td>
<td>Retain/critical need: Program addresses rural health care shortages, currently 21 enrolled.</td>
</tr>
<tr>
<td>Bach</td>
<td>Music</td>
<td>12</td>
<td>Retain/critical need: Courses overlap with other programs, no additional cost. Current enrollment (28) highest in 5 years.</td>
</tr>
<tr>
<td>Bach</td>
<td>Musical Theatre</td>
<td>5</td>
<td>Retain/critical need: Courses overlap with other programs, no additional cost. New facilities expected to increase enrollments.</td>
</tr>
<tr>
<td>Bach</td>
<td>Physical Education</td>
<td>21</td>
<td>Retain/critical need: Program addresses shortage of physical education teachers in SD; Recruitment plan in place.</td>
</tr>
</tbody>
</table>
### Table 1 Continued

**Programs Falling Below the Program Productivity Review Thresholds for FY15**

<table>
<thead>
<tr>
<th>Degree Type</th>
<th>Major</th>
<th>FY11-FY15</th>
<th>Recommended Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bach</td>
<td>Political Science</td>
<td>21</td>
<td>Retain/critical need: Important to NSU mission, enrollments increasing (currently 27 enrolled).</td>
</tr>
<tr>
<td>Bach</td>
<td>Spanish</td>
<td>14</td>
<td>Retain/further review: Supports international business mission, enrollment trends anticipate meeting thresholds by next review.</td>
</tr>
<tr>
<td>Mast/Spec</td>
<td>Instructional Design in E-Lrng</td>
<td>1</td>
<td>Retain/further review: Currently under review by NSU with recommendation anticipated in Summer 16.</td>
</tr>
</tbody>
</table>

**SD SCHOOL OF MINES & TECHNOLOGY**

**SOUTH DAKOTA STATE UNIVERSITY**

<table>
<thead>
<tr>
<th>Degree Type</th>
<th>Major</th>
<th>FY11-FY15</th>
<th>Recommended Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bach</td>
<td>Biochemistry</td>
<td>18</td>
<td>Retain/critical need: Critical to workforce development and enrollment trends growing (43 currently enrolled).</td>
</tr>
<tr>
<td>Bach</td>
<td>German</td>
<td>15</td>
<td>Retain/further review: Collaborative program with NSU &amp; USD, combined graduates meet threshold.</td>
</tr>
<tr>
<td>Bach</td>
<td>Music</td>
<td>21</td>
<td>Retain/further review: Program enrollments growing (currently 36 enrolled).</td>
</tr>
<tr>
<td>Mast/Spec</td>
<td>Dietetics</td>
<td>8</td>
<td>Retain/critical need: Collaborative IDEA program with 8 institutions targeting working professionals, currently 18 students enrolled.</td>
</tr>
</tbody>
</table>

**UNIVERSITY OF SOUTH DAKOTA**

<table>
<thead>
<tr>
<th>Degree Type</th>
<th>Major</th>
<th>FY11-FY15</th>
<th>Recommended Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bach</td>
<td>Art Education</td>
<td>9</td>
<td>Retain/critical need: Program prepares educators in shortage area. USD to evaluate as part of upcoming program accreditation visit.</td>
</tr>
<tr>
<td>Bach</td>
<td>Biology Education</td>
<td>3</td>
<td>Retain/critical need: Addresses shortage of state science teachers. USD to evaluate as part of upcoming program accreditation visit.</td>
</tr>
<tr>
<td>Bach</td>
<td>Business Administration</td>
<td>0</td>
<td>Retain/further review: Redesigned in 2014 &amp; produced 5 graduates in FY16. USD to evaluate as part of upcoming program accreditation visit.</td>
</tr>
<tr>
<td>Bach</td>
<td>French &amp; Francophone Studies</td>
<td>0</td>
<td>Retain/further review: Redesigned with emphasis on culture &amp; history. USD to evaluate as part of program review process in 18.</td>
</tr>
<tr>
<td>Bach</td>
<td>German</td>
<td>11</td>
<td>Retain/further review: Collaborative program with NSU &amp; SDSU, combined graduates meet threshold.</td>
</tr>
<tr>
<td>Bach</td>
<td>Liberal Studies</td>
<td>7</td>
<td>Terminate: Program termination approved 4/16</td>
</tr>
<tr>
<td>Degree Type</td>
<td>Major</td>
<td>FY11-FY15</td>
<td>Recommended Action</td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------</td>
<td>-----------</td>
<td>-----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Bach</td>
<td>Mathematics Education</td>
<td>17</td>
<td>Retain/critical need: Addresses shortage of state math teachers. USD to evaluate as part of upcoming program accreditation visit.</td>
</tr>
<tr>
<td>Bach</td>
<td>Musical Arts</td>
<td>10</td>
<td>Retain/critical need: Course overlap with other programs, no additional cost. USD to evaluate as part of upcoming program accreditation visit.</td>
</tr>
<tr>
<td>Bach</td>
<td>Native American Studies</td>
<td>8</td>
<td>Retain/further review: Redesigned in 2015, new program leadership.</td>
</tr>
<tr>
<td>Bach</td>
<td>Physics</td>
<td>15</td>
<td>Retain/critical need: Critical to university mission, enrollments growing (22 currently enrolled).</td>
</tr>
<tr>
<td>Bach</td>
<td>Secondary Education</td>
<td>1</td>
<td>Terminate: Students have equivalent degree options</td>
</tr>
<tr>
<td>Bach</td>
<td>Spanish Education</td>
<td>3</td>
<td>Retain/critical need: Addresses shortage of foreign language teachers. USD to evaluate as part of upcoming program accreditation visit.</td>
</tr>
<tr>
<td>Bach</td>
<td>Speech Education</td>
<td>3</td>
<td>Terminate: Students have equivalent degree options</td>
</tr>
<tr>
<td>Mast/Spec</td>
<td>Curriculum and Instruction</td>
<td>2</td>
<td>Terminate: Request approved by AAC 6/16.</td>
</tr>
<tr>
<td>Mast/Spec</td>
<td>Basic Biomedical Sciences</td>
<td>10</td>
<td>Retain/further review: Program is new, slowly building enrollments through increased grants and assistantships.</td>
</tr>
<tr>
<td>Mast/Spec</td>
<td>Biomedical Engineering</td>
<td>6</td>
<td>Retain/further review: Redesigned in 2015, new program leadership.</td>
</tr>
<tr>
<td>Mast/Spec</td>
<td>Communication Studies</td>
<td>1</td>
<td>Retain/further review: Recently combined two related programs into this program with intent of increasing graduates and efficiency.</td>
</tr>
<tr>
<td>Doct/Prof</td>
<td>Political Science</td>
<td>1</td>
<td>Retain/further review: 13 students in dissertation phase, Redesigned in 2014 and produced 2 graduates FY16.</td>
</tr>
</tbody>
</table>
A.S. in Tourism and Hospitality Management
The A.S. degree is specifically targeted to students interested in entering the tourism and hospitality management profession/field with a degree that has a foundation in business.

Enrollments (fall to fall; starting fall 2010)
- 2010 - 10
- 2011 - 11
- 2012 - 13
- 2013 - 15
- 2014 - 12
- 2015 - 7

Graduation Rates
- 2010 - 1
- 2011 - 2
- 2012 - 1
- 2013 - 4
- 2014 - 3
- 2015 - 2

Due to our geographic location and long-standing history in offering tourism-related programs at Black Hills State University (BHSU), the B.S. in Business Administration--Tourism and Hospitality Management and the A.S. in Tourism and Hospitality Management serve as two niche programs at the University.

The majority of business courses required in the A.S. program are also required in the B.S. in BADM-Tourism and Hospitality Management specialization program; therefore, there is a seamless transition for a student who has earned an the THM A.S. degree to pursue the BADM-THM B.S. degree. Also, due to the strategic alignment of this two-year degree in THM with the four-year degree in BADM-THM, there are no additional costs related to the offering of the A.S. degree.

In addition to the current marketing efforts of the BHSU admissions as well as marketing and communications offices, additional marketing (targeted to potential students) will be undertaken to further promote this degree by the College and the primary faculty member who teaches in the tourism and hospitality management area. The enrollment numbers in this program will be monitored on a semester-by-semester basis and adjustments will be made to the marketing/promotion efforts as necessary.

We are assigning Program Designation #2 (Retain Degree Program with Further Review).

BSED - Business Education
Enrollments (fall to fall)
- 2010 - 16
- 2011 - 12
- 2012 - 6
- 2013 - 3
- 2014 - 4
The Business Education program is a niche program for Black Hills State University as a limited number of institutions offer this degree nationwide and in the state of South Dakota. However, there is a critical need for business educators who have earned degrees through business education programs housed in Colleges of Business and Colleges of Education in universities across the country. BHSU (School of Business) is also a member of the National Association of Business Teacher Education (NABTE)—the leading voice in business education in the nation—and the CBNS dean is the president-elect of the National Business Education Association (NBEA).

Therefore, the Business Education program will continue to be supported at BHSU as a low-enrolled program as the courses in the major—business and education—all have sufficient enrollments due to being required in other programs at the University. The business methods course is the only course in the program that is consistently low enrolled but is taught as an independent study by the CBNS dean. Thus, there are not any additional costs related to the offering of this program.

In addition to the current marketing efforts of the BHSU admissions as well as marketing and communications offices, additional marketing (targeted to potential students) will be undertaken to further promote this degree. The enrollment numbers in this program will be monitored on a semester-by-semester basis and adjustments will be made to the marketing/promotion efforts as necessary.

We are assigning **Program Designation #1 (Retain Due to Critical Need – Mission Critical - education)**.

### Chemistry

**Enrollments (fall to fall)**
- 2010 - 29
- 2011 - 24
- 2012 - 25
- 2013 - 24
- 2014 - 21
- 2015 - 22

**Graduation Rates**
- 2010 - 1
- 2011 - 2
- 2012 - 1
- 2013 - 1
- 2014 - 4
- 2015 - 0
Due to its significance to Black Hills State University (BHSU) and the surrounding region (Sanford Underground Research Facility-SURF; state-wide STEM initiatives, etc.), it is recommended that the current chemistry program at BHSU be retained. Chemistry is a significant component of all other scientific disciplines taught at BHSU.

Chemistry courses taught for non-science majors help students develop a better understanding of how chemistry plays a central role in many aspects of everyday life. This will prepare BHSU students to make more informed, scientifically-justified decisions when dealing with issues such as health, the environment, and energy.

The chemistry program supports students in other fields of science including biology, environmental physical science, pre-health professional, pre-nursing, and science education. Students are served through excellence in chemical education and a goal is to retain the strengths of this well-integrated chemistry program and develop a unique chemistry program. The breadth and depth of the program will further critical thinking, scientific writing, and verbal communication skills, as well as significant hands-on laboratory experience that will enhance students’ technical proficiency and understanding of the scientific method.

In addition to the current marketing efforts of the BHSU admissions as well as marketing and communications offices, additional marketing (targeted to potential students) will be undertaken to further promote this degree by the College and the primary faculty members who teach in the chemistry area. The enrollment numbers in this program will be monitored on a semester-by-semester basis and adjustments will be made to the marketing/promotion efforts as necessary.

We are assigning Program Designation #2 (Retain Degree Program with Further Review).

Chemistry Education

<table>
<thead>
<tr>
<th>Enrollments (fall to fall)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010 - 4</td>
</tr>
<tr>
<td>2011 - 3</td>
</tr>
<tr>
<td>2012 - 4</td>
</tr>
<tr>
<td>2013 - 3</td>
</tr>
<tr>
<td>2014 - 4</td>
</tr>
<tr>
<td>2015 - 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Graduation Rates</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010 - 1</td>
</tr>
<tr>
<td>2011 - 0</td>
</tr>
<tr>
<td>2012 - 0</td>
</tr>
<tr>
<td>2013 - 0</td>
</tr>
<tr>
<td>2014 - 1</td>
</tr>
<tr>
<td>2015 - 1</td>
</tr>
</tbody>
</table>

Due to the need for well-trained chemistry teachers in secondary institutions across the state, region, and nation, it is recommended that the Chemistry Education program at Black Hills State University (BHSU) be retained. Chemistry (as a discipline) is critical to BHSU and the surrounding region (Sanford Underground Research Facility-SURF; state-wide STEM initiatives, etc.) and to students who seek to earn a degree in a key field in the sciences.
Therefore, the Chemistry Education program will continue to be supported at BHSU as the courses in the major—chemistry and education—all have sufficient enrollments due to being required in other programs at the University (including the four-year chemistry degree program). Thus, there are not any additional costs related to the offering of this program.

The breadth and depth of the program furthers critical thinking, scientific writing, and verbal communication skills, as well as significant hands-on laboratory experience that will enhance students’ technical proficiency and understanding of the scientific method.

In addition to the current marketing efforts of the BHSU admissions as well as marketing and communications offices, additional marketing (targeted to potential students) will be undertaken to further promote this degree. The enrollment numbers in this program will be monitored on a semester-by-semester basis and adjustments will be made to the marketing/promotion efforts as necessary.

We are assigning Program Designation #1 (Retain Due to Critical Need – Mission Critical - education).

**Composite Communication/English**

- **Data of Grads (2010-2014):** 8 completers/ 1 expected 2016
- **Accreditation Schedule:** CAEP in 2018
- **Fall 2014 Enrollment:** 1
- **Fall 2015 New Students:** 3
- **Enrollment changed from:**  6 in 2009

The Composite English major is designed to allow students a breadth of knowledge in English and related fields—mass communications, speech, theater and Spanish. It equips them for the job market in places where teachers who teach English also frequently coach debate, direct plays, and advise students in newspaper and yearbook. If we terminate the composite speech major as recommended, this will be the one program for students who wish to become teachers in the language arts. The number of majors can be increased by more aggressive advising in the School of Education and the School of Arts and Humanities. Strategic advising for this major has not yet been tried but will be carried out through collaboration between the two Recruitment and Retention Specialists recently assigned to these two areas.

Recommendation: to retain this major due to critical need.

**Composite Math/Science Education**

- **Data of Grads (2010-2014):** 11 completed/25 expected
- **Accreditation Schedule:** CAEP spring 2018
- **2014-2015 new enrollments:** 12

This major was developed in response to a workforce need identified by administrators in rural schools who need teachers certified in both math and science, two high-needs teaching fields. We currently have 12 declared majors in the pipeline who are projected to complete in the next two to three years, so we anticipate this program will meet the threshold at next review. We are recruiting students for this major through the Vucurevich Scholarship and other departmental scholarships directed toward the math and science areas. It is significant that the program is offered at no additional cost to BHSU, since it uses only courses already offered for other majors.
Recommendation: to retain this major due to critical need (program designation #1).

**Composite Music**

- **Data of Grads (2010-2014):** 5 completers/2 expected in 2016
- **Accreditation Schedule:** NASM in 2020
- **Fall 2014 Enrollment:** 8
- **Fall 2015 New Students:** 7
- **Enrollment changed from:** 16 in 2009

This is the music major designed to prepare students for performance rather than to enter the field of education. While few students select this path, the program meets a critical need for musicians who do not plan to teach in the public school system. Since this major requires no additional classes other than the ones needed for music education students, it places no burden on current resources. Currently, aggressive efforts are underway for students in the field of music. These efforts include travel by music faculty and student groups to area high school and middle schools, and they have already born the results of notably larger numbers of students (majors and non-majors) enrolling in band. With continued effort, we expect the number of music majors to increase, and as the program grows, it will attract students who are high-performing musicians who would prefer this major.

Recommendation: to retain for critical need.

**Composite Science Education**

- **Data of Grads (2010-2014):** 10 completed/25 expected
- **Accreditation Schedule:** CAEP spring 2018
- **2014-2015 new enrollments:** 19

This major was developed in response to a workforce need identified by administrators in rural schools who need to hire teachers certified in more than one area of science. We currently have 19 declared majors in the pipeline who are projected to complete in the next two to three years, so we anticipate this program will meet the threshold at next review. We are recruiting students for this major through the Vucurevich Scholarship and other departmental scholarships directed toward the math and science areas. It is significant that the program is offered at no additional cost to BHSU, since it uses only courses already offered for other majors.

Recommendation: to retain this major due to critical need (program designation #1).

**Composite Speech Communication**

- **Data of Grads (2010-2014):** 0 completers/0 expected
- **Accreditation Schedule:** CAEP in 2018
- **Fall 2014 Enrollment:** 0
- **Fall 2015 New Students:** 0
- **Enrollment changed from:** 1 in 2009

This major is designed to give students a breadth of knowledge in speech and related fields so they can serve in a broad capacity in public schools. However, this program has had no students since at least FY11. Additionally, it bears similarity to the Composite English major.

Recommendation: Terminate.
Music Education  
Accreditation Schedule: CAEP in 2018 and NASM in 2020  
Fall 2014 Enrollment: 26  
Fall 2015 New Students: 4  
Enrollment changed from: 26 in 2014

This major is the core of the music program at BHSU. It prepares its students to become music teachers in the region’s schools. The program also serves much of the university’s educational outreach since faculty and students in this field work with regional middle and high school groups. Currently, aggressive efforts are underway for students in the field of music. These efforts include travel by music faculty and student groups to area high school and middle schools, and they have already born the results of notably larger numbers of students (majors and non-majors) enrolling in band. Thus, with continued effort, we expect the number of music majors to increase, most of them in Music Education.

Recommendation: to retain for critical need.

Physical Science  
Enrollments (fall to fall)  
2010 - 2  
2011 - 2  
2012 - 1  
2013 - 8  
2014 - 7  
2015 - 12  
Graduation Rates (fall to fall)  
2010 - 0  
2011 - 0  
2012 - 0  
2013 - 0  
2014 - 0  
2015 - 0

It is recommended that the Physical Science program at Black Hills State University be retained. This degree is designed to provide rigorous training in both physics and chemistry with introductory courses in the earth sciences. The broad knowledge base obtained from this degree prepares students for graduate school and employment in a variety of occupations where an understanding of chemistry, physics, or mathematics is needed.

The Physical Science program enables students to take courses across the following areas: chemistry, math, physics, computer science (through a collaboration with Dakota State University), and geology. Physical Science majors are able to find careers in a variety of fields including nuclear research, the energy industry, chemical lab analysis, and environmental research. In contrast, the Environmental Physical Science program includes the identification, study, and treatment of a variety of environmental problems. The program addresses ground and surface water quality and management, waste treatment, land-use planning, soil testing, containment chemistry and monitoring, hazardous waste disposal, land reclamation and energy management and production. Thus, while there are some shared courses
between these two degree programs, these are two distinct programs (with different program outcomes) available to students in the natural sciences.

Therefore, the Physical Science program will continue to be supported at BHSU as the courses in the program (in the areas listed above) all have sufficient enrollments due to being required in other programs at the University. Thus, there are not any additional costs related to the offering of this program.

In addition to the current marketing efforts of the BHSU admissions as well as marketing and communications offices, additional marketing (targeted to potential students) will be undertaken to further promote this degree by the College and the primary faculty members who teach in the programs of environmental physical science and physical science. The enrollment numbers in this program will be monitored on a semester-by-semester basis and adjustments will be made to the marketing/promotion efforts as necessary.

We are assigning Program Designation #2 (Retain Degree Program with Further Review).

**Spanish (BA)**

- **Data of Grads (2010-2014):** 11 completers 2010-2014; 2 in 2015
- **Accreditation Schedule:** none
- **Fall 2014 Enrollment:** 6
- **Fall 2015 New Students:** 6
- **Enrollment changed from:** an average of 9 between 2006 and 2009 when including the BA and BS degrees. BA was ended in 2009.

The Spanish program is the university’s only major in non-English language, and the BA in Spanish is the only option for students interested in language but not in teaching. Maintaining this major does not burden current resources since its students take the courses already required for Spanish Education students. Since the Spanish program at BHSU is quite small, both the teaching and non-teaching majors are needed to support each other and the discipline’s one, full-time faculty member. Recruitment into this major will be assisted by the current university president’s emphasis on international studies. With further efforts at encouraging study abroad (made by the new director of International Studies), we anticipate more students will be attracted to the Spanish major.

Recommendation: to retain for critical need.

**Communication Studies/Theater**

- **Data of Grads (2010-2014):** 0
- **Accreditation Schedule:** none
- **Fall 2014 Enrollment:** no data available
- **Fall 2015 New Students:** 3
- **Enrollment changed from:** no data available

The current Communication Studies/Theater major prepares students for performance rather than for entry into the field of education. While few students select this path, the program meets a critical need for students dedicated to performance but who do not wish to pursue careers as teachers. Since this major requires no additional classes other than the ones needed for those in speech and theater education, maintaining this major places no burden on current resources. In order to increase the number of students in this major, we will employ additional advising. With the loss of Institutional
Graduation Requirements, students in some fields will have additional electives; in response, the college has agreed to encourage more students to take on a second major. Students in Composite Music or in Music Education are strong candidates for a second major in theater. Furthermore, the theater program’s new performance space in Woodburn Hall will strengthen the program and therefore likely attract additional majors. Finally, outreach to high school drama programs—particularly with relation to Summer Stage—is increasing visibility of this program.

Recommendation: to retain this major due to critical need.
A.S. in Tourism and Hospitality Management
The A.S. degree is specifically targeted to students interested in entering the tourism and hospitality management profession/field with a degree that has a foundation in business.

Enrollments (fall to fall; starting fall 2010)
2010 - 10
2011 - 11
2012 - 13
2013 - 15
2014 - 12
2015 - 7

Graduation Rates
2010 - 1
2011 - 2
2012 - 1
2013 - 4
2014 - 3
2015 - 2

Due to our geographic location and long-standing history in offering tourism-related programs at Black Hills State University (BHSU), the B.S. in Business Administration--Tourism and Hospitality Management and the A.S. in Tourism and Hospitality Management serve as two niche programs at the University. It is important to note that BHSU offers the only Tourism degree in the state of South Dakota. This is an important and unique niche.

The majority of business courses required in the A.S. program are also required in the B.S. in BADM Tourism and Hospitality Management specialization program; therefore, the program is stackable and there is a seamless transition for a student who has earned an the THM A.S. degree to pursue the BADM-THM B.S. degree. Also, due to the strategic alignment of this two-year degree in THM with the four-year degree in BADM-THM, there are no additional costs related to the offering of the A.S. degree.

In addition to the current marketing efforts of the BHSU admissions as well as marketing and communications offices, additional marketing (targeted to potential students) will be undertaken to further promote this degree by the College and the primary faculty member who teaches in the tourism and hospitality management area. The enrollment numbers in this program will be monitored on a semester-by-semester basis and adjustments will be made to the marketing/promotion efforts as necessary.

We are assigning Program Designation #2 (Retain Degree Program with Further Review).

Physical Science
Enrollments (fall to fall)
2010 - 2
It is recommended that the Physical Science program at Black Hills State University be retained. This degree is designed to provide rigorous training in both physics and chemistry with introductory courses in the earth sciences. The broad knowledge base obtained from this degree prepares students for graduate school and employment in a variety of occupations where an understanding of chemistry, physics, or mathematics is needed. With the opening of the BHSU underground campus, there has been an increased interest in the physical science area. Undergraduate students are increasingly becoming involved with hands-on activities in the facility. Currently, there are 13 majors in this program and that we expect some graduates.

The Physical Science program enables students to take courses across the following areas: chemistry, math, physics, computer science (through a collaboration with Dakota State University), and geology. Physical Science majors are able to find careers in a variety of fields including nuclear research, the energy industry, chemical lab analysis, and environmental research. In contrast, the Environmental Physical Science program includes the identification, study, and treatment of a variety of environmental problems. The program addresses ground and surface water quality and management, waste treatment, land-use planning, soil testing, containment chemistry and monitoring, hazardous waste disposal, land reclamation and energy management and production. Thus, while there are some shared courses between these two degree programs, these are two distinct programs (with different program outcomes) available to students in the natural sciences.

Therefore, the Physical Science program will continue to be supported at BHSU as the courses in the program (in the areas listed above) all have sufficient enrollments due to being required in other programs at the University. Thus, there are not any additional costs related to the offering of this program.

In addition to the current marketing efforts of the BHSU admissions as well as marketing and communications offices, additional marketing (targeted to potential students) will be undertaken to further promote this degree by the College and the primary faculty members who teach in the programs of environmental physical science and physical science. The enrollment numbers in this program will be monitored on a semester-by-semester basis and adjustments will be made to the marketing/promotion efforts as necessary.

We are assigning Program Designation #2 (Retain Degree Program with Further Review).
Program Productivity Justification
Dakota State University
April 2016

A.A. in General Studies - GENS
Enrollments:
2015 - 8
2014 - 11
2013 - 18
2012 - 10
2011 - 18
Program approved within past 7 years. This program serves as a feeder for other DSU programs.

A.S. in Network/Security Administration – NSEC
Enrollments:
2015 - 28
2014 - 17
2013 - 17
2012 - 18
2011 - 11
This program changed names in 2014 from Network/Systems Administration (AS.NSA) to Network/Security Administration (NSEC). When both program enrollments are combine there were 28 students enrolled in Fall 2015. Enrollment has increased each fall with the largest increase from 2014 to 2015. When there are no longer students enrolled in the AS.NSA program it will be terminated.

B.S. in Education, Biology Education - BIOL
Enrollments:
2015 - 6
2014 – 9
2013 - 7
2012 - 12
2011 - 12
The request to retain was previously approved by BOR. We again request this program be retained as biology education is a high need teacher education program in South Dakota. This program was accredited by SD DOE Fall 2015; CAEP accreditation is scheduled for April, 2016.

B.S. in Education, Business Education - BED
Enrollments:
2015 - 5
2014 - 6
2013 - 8
2012 - 11
2011 - 15
The request to retain was previously approved by BOR. We again request this program be retained. The program was accredited by SD DOE Fall 2015; CAEP accreditation is scheduled for April, 2016.
**BBA, Business Technology – BTEC**

Enrollments:
- 2015 - 14
- 2014 - 21
- 2013 - 18
- 2012 - 16
- 2011 - 14

The program changed names from BBA in Management for Information Systems (D.BBA.MIS) to BBA in Business Technology (D.BBA.BTEC) in 2012. There are 14 students enrolled spring 2016; when there are no longer students enrolled in the MIS program it will be terminated.

**B.S. in Education, Computer Education - COME**

Enrollments:
- 2015 - 6
- 2014 - 5
- 2013 - 4
- 2012 - 5
- 2011 - 8

The request to retain was previously approved by BOR. We again request this program be retained as DSU offers the only program in South Dakota. This program was accredited by SD DOE Fall 2015; CAEP accreditation is scheduled for April, 2016.

**B.S. in Cyber Operations - CYOP**

Enrollments:
- 2015 - 255
- 2014 - 245
- 2013 - 209
- 2012 - 189
- 2011 – 155

The name changed in 2013 from Computer and Network Security (BS.CONS) to Cyber Operations (CYOP). Enrollment in Fall 2015 between the two programs was 255 students. When all students have graduated from the BS.CONS program, it will be considered for termination.

**B.S. in Education, English Education - ENGL**

Enrollments:
- 2015 - 17
- 2014 - 17
- 2013 - 17
- 2012 - 27
- 2011 - 29

The request to retain was previously approved by BOR. We again request this program be retained as English education is a high need teacher education program in South Dakota. This program was accredited by SD DOE Fall 2015; CAEP accreditation is scheduled for April, 2016.
**BBA in Management for Information Systems - MIS**

Enrollments:
- 2015 - 0
- 2014 - 0
- 2013 - 2
- 2012 - 10
- 2011 - 14

Not on 2014 report; program changed to BTEC. We are no longer enrolling students in this program and when all students graduate, it will be considered for termination.

**B.S. in Math for Information Systems - MTIS**

Enrollments:
- 2015 - 27
- 2014 - 16
- 2013 - 20
- 2012 - 21
- 2011 - 17

This was formerly D.BS.MATHS but changed to D.BS.MTIS for AY15-16. There are 27 students in the two programs spring 2016 and the program had 18 graduates in the 5 year span. There are 11 more students enrolled fall 2015 than 2014 which is the largest enrollment for the program for the last 16 semesters. When the students in the MATHS program graduate, the program will be considered for termination.

**B.S. in Network/Security Administration - NSEC**

Enrollments:
- 2015 - 145
- 2014 - 116
- 2013 - 87
- 2012 - 44
- 2011 - 36

Program changed name from D.BS.NSA to D.BS.NSEC in 2013. Enrollment in this program for spring 2016 is 137. D.BS.NSA will be considered for termination when there are no longer students in the program (spring 2016 there are 8 enrolled).

**B.S. in Physical Science - PHSC**

Fall Enrollments:
- 2015 - 7
- 2014 - 4
- 2013 - 4
- 2012 - 6
- 2011 - 8

Program moved from D.BS.PHYSC to D.BS.PHSC in spring 2015. The fall 2015 enrollment for the two was 7 students which is a small increase over the past 6 semesters. Request to retain. The university will continue to monitor enrollments in this major and when all students have graduated from the D.BS.PHYSC program, it will be terminated.
B.S. in English for Information Systems - ENIS
Program is terminated.

B.S. in Professional and Technical Communication - PRTC
Fall Enrollments:
    2015 - 5
    2014 - 4
    2013 - 7
    2012 - 4
    2011 - 3
We are in the process of terminating this program spring 2016. We will teach-out the 5 students enrolled and will not allow additional students to enroll in the program.

B.S. in Professional Accountancy - PACT
Enrollments:
    2015 - 4
    2014 - 6
    2013 - 3
    2012 – 15
    2011 – 19
Request to retain. We are in the process of hiring a new dean for the College of BIS and increasing enrollments is a priority.

B.S. in Respiratory Care - RESP
Enrollments:
    2015 - 48
    2014 - 47
    2013 - 32
    2012 - 21
    2011 - 28
Retention request in 2012. Request to retain; spring 2016 enrollment is 48 students which is the largest enrollment for the program for the last 8 years. DSU offers the only program in South Dakota.

M.S. in Analytics - ANLT
Enrollments:
    Spring 2016 - 34
Program approved in 2014 and is a shared program with SDSU.

D.Sc. in Cyber Security - CYSC
Enrollments:
    2015 - 14
Program approved in Spring 2014 and we are seeing an increase in applications.
Program Productivity Justifications
Northern State University
Spring 2016 – Alan LaFave, Provost

A.S. Digital Design
Enrollments:
   2015 – 4
   2014 – 4
   2013 – 4
   2012 – 2
   2011 – 2

This program serves as a feeder for the BA in Advertising Design. While most do not ultimately graduate with the AS, it is critical to the department of art to retain this as an option for those who may wish to enter the job market prior to completion of the BA. Courses and enrollments in the art disciplines continue to rise. This is one of several programs within the department of art that are fully accredited by the National Association of Schools of Art and Design (NASAD). Recommend to retain with further review.

B.S.Ed. Art Education Comprehensive
Enrollments:
   2015 – 13
   2014 – 16
   2013 – 15
   2012 – 12
   2011 – 11

This program serves our mission critical need of providing qualified and certified art teachers for the K-12 schools. The program also serves as one of the school of fine arts primary outreach mechanisms, including the high school art workshop and summer Arts Education Institute which brings art teachers from across the state and region to campus for advanced pedagogy opportunities. The numbers have actually been moving in a positive direction here, and we anticipate continued growth. This is one of several programs within the department of art that are fully accredited by the National Association of Schools of Art and Design (NASAD). Recommend to retain due to critical need.

B.A. Communication Studies
Enrollments:
   2015 – 30
   2014 – 26
   2013 – 18
   2012 – 8
   2011 – 2
The enrollments in this program have consistently increased over the past five years. The Communication Studies B.A produces graduates that are engaged, well-formed citizens. The retention of this program addresses Northern State University’s core values: Community, Scholarship, and Citizenship. The courses within the degree are very popular among NSU’s rich blend of international students seeking to improve their communication skills. These courses are important for the advancement of the university’s internationalization goals. Communication Studies Majors are on the rise since 2013, increasing to 30 for 2015. NSU is optimistic toward maintaining this rate of growth and turning these majors into graduates that will attain the BOR minimum by the next review cycle. In addition, the faculty of the program is committed to offering more of its courses online. Recommend to retain due to critical need.

B.S. Economics
Enrollments:
2015 – 7
2014 – 8
2013 – 17
2012 – 17
2011 – 11

The Economics major is fundamental to the mission of the NSU School of Business by providing an understanding of the mechanisms of micro and macro economics as they affect business operations and management. Economics is primarily a service for the School of Business. All business majors take ECON 201 and ECON 202. Following the retirement of one of the senior Economics faculty, the position was vacant for two years without replacement. A new instructor was hired in the fall of 2015 and the School of Business is working diligently to recruit in this particular area. Recommend to retain with further review.

B.A. French Studies – program terminated.

B.A. German
Enrollments:
2015 – 7
2014 – 7
2013 – 3
2012 – 8
2011 – 5

The German major at NSU continues to prepare its majors for success in the areas of German language skills, knowledge of German civilization, literature, and translation. All the courses necessary for students to complete the German major for online delivery are fully active. Enrollments over the past 5 years indicate that there is an interest and a need in making German courses available via online delivery throughout the BOR system. German majors have grown and held steady since
Additionally, the German program is currently a cooperative program with SDSU and USD. The combined number of graduates meets the productivity threshold. Brown County has a high proportion of residents with Germans-from-Russia ancestry. The Beulah Williams Library archives house an important Germans-from-Russia document collection. In addition, the Library is preparing to house the new Germans-from-Russia Studies Center. NSU now has a GER 494 German Internship course available to enable German students to earn academic credit by working with the Germans-from-Russia document collection, transcribing and translating documents and researching them as historical artifacts. Donor monies are assuring that the vision of this Center is becoming a reality, and the collaboration of NSU’s German program with this resource will help attract new majors and provide them with career-enhancing academic experiences. Recommend to retain due to critical need.

B.S. Management Information Systems
Enrollments:
- 2015 – 20
- 2014 – 20
- 2013 – 23
- 2012 – 23
- 2011 – 22

The MIS major is being redesigned and repurposed to meet the needs of the 21st century. Subsequent to program review in 2013, two new faculty members were hired in 2014 to critically examine the program and implement recommendations of the review. The curriculum was modified in spring 2015 to include data mining, big data, and a joint marketing option. Our intent is to grow the program based upon these curricular modifications. Recommend to retain with further review.

B.S. Medical Laboratory Science (MLS)
Enrollments:
- 2015 – 21
- 2014 – 15
- 2013 – 19
- 2012 – 26
- 2011 – 13

The demand for highly qualified medical technologists remains high in South Dakota (SD) and the surrounding region. Out of the fifty states, the United States Department of Labor 2014 statistics ranks SD as the second highest concentration of MLS jobs per capita. The demand is expected to grow with an aging population base and a high number of expected MLS retirements in the coming years.

Attracting new MLS technicians to rural areas such as SD is a continuing battle for
the healthcare industry. One strategy recommended by the World Health Organization in their 2009 report is to provide increased training opportunities in rural areas. This strategy is supported by a study by Rosenblatt and Hart in 2000, which concluded that students who stay in rural areas for medical training are more likely to remain in rural areas for employment. Thus, Northern State University’s MLS program is a necessary training option in our region of the country. It currently serves 21 students, and enrollment is expected to grow in the coming years due to implementation of new recruitment and retention strategies along with program leadership changes. Our students have experienced nearly 100% job placement since the program’s existence. A majority of these placements have been within a 300 mile radius.

For the past few years, our MLS program has been affiliated with the MLS program at UND. Students complete three years at NSU, then go to UND for some summer courses before being placed at a clinical internship site (clinic or hospital) for their senior year. There are 70 such sites that students can apply for. Nearly all of the students placed at their internship sites have been offered jobs at that site upon completion of the program. Recommend to retain due to critical need.

B.A. Music
Enrollments:
- 2015 – 28
- 2014 – 25
- 2013 – 26
- 2012 – 26
- 2011 – 21

The B.A. in music is mission critical to NSU as it provides the “non-teaching” component of the bachelor degree music offerings. This is one of three degree programs within the department of music that are fully accredited by the National Association of Schools of Music (NASM). The latest enrollments are the strongest in five years. This is a critically important part of the music program, especially for those students not wishing to pursue a career in teaching. Since the major requires no additional classes other than the ones needed for music education students, it places no burden on resources currently or in the future. Recommend to retain due to critical need.

B.A. Musical Theatre
Enrollments:
- 2015 – 9
- 2014 – 9
- 2013 – 13
- 2012 – 12
- 2011 – 12
The Bachelor of Arts in Musical Theatre is an important degree in the School of Fine arts, includes several outstanding graduates, and is critical to the artistic fabric of the university, community and region.

NSU theatre students recently returned from the Kennedy Center American College Theatre Festival held in the Twin Cities. Northern’s theatre program received numerous accolades including Outstanding Achievement in Performance, Direction, Lighting Design and Dramaturgy.

The musical theatre degree is aggressively marketed at state and regional theatre events. In addition to the aforementioned Kennedy Center American College Theatre Festival held in the Twin Cities, NSU will host the SD State One-Act Festival in February of 2017. Almost 1,000 high school theatre students will be on campus.

The renovated Johnson Fine Arts Center, which will open in Fall 2016, has an added black box theatre, which will increase the number of unique performance venues for production. The newly opened dance studio in Dacotah Hall has become a new home for the program’s dance classes. For the first time, the Musical Theatre program will have the facilities it needs to grow and attract more students.

Finally and importantly, because of the collaboration between the NSU music department and theatre program, the B.A. in Musical Theatre requires no additional resources. The faculty and courses already exist. Recommend to retain due to critical need.

B.S.Ed Physical Education
Enrollments:
2015 – 13
2014 – 17
2013 – 23
2012 – 28
2011 – 33

The B.S.Ed, in physical education meets a critical need in the teaching area and preparation of K-12 educators. Coursework for the major is delivered as part of a number of other curricular programs such as Human Performance and Fitness, Sports Marketing and Management and Elementary Education. Efforts are underway to aggressively market and recruit for the program. Recommend to retain due to critical need.

B.A. Political Science
Enrollments:
2015 – 27
2014 – 22
2013 – 19
2012 – 24
2011 – 21

Enrollments in both lower-level and upper-level Political Science courses are strong and indicate that the number of majors and graduates is on a steady incline. The B.A.
in Political Science supports NSU’s mission of preparing Social Science, Humanities, and International Business graduates for a national and global marketplace. According to local records, 21 students have graduated with a B.A. in Political Science over the past five years (which is close to meeting the minimum threshold requirements for continuation without the need of review). Recommend to retain due to critical need.

**B.S.Ed. Spanish**

Enrollments:
- 2015 – 6
- 2014 – 4
- 2013 – 3
- 2012 – 5
- 2011 – 7

Enrollments in the lower-division Spanish courses continue strong, averaging 20+ per semester. Spanish majors are on the rise since 2013. The online delivery of NSU courses is thriving and continues as the only online delivery of Spanish courses in the state. The B.A. in Spanish supports NSU’s mission of preparing International Business graduates for the global marketplace. Based on current trends in enrollment and majors, the program should fulfill the BOR minimum by the next review. All of the content courses required for the B.S. Ed in Spanish are also required for the B.A. in Spanish, so there is no burden on current resources. Recommend to retain with further review.

**M.S Ed. Instructional Design**

Enrollments:
- 2015 – 1
- 2014 – 0
- 2013 – 2
- 2012 – 2
- 2011 – 0

As a number of curricular changes have taken place in the past five years, the School of Education is finding more individuals are pursuing the MS Ed in Educational Studies or Teaching and Learning in lieu of the MS Ed in Instructional Design. The Department of Teacher Education will undertake a review of the master's offerings during Spring 2016 and examine the MS Ed in Instructional Design. A recommendation will move forward by Summer 2016. Recommend to retain with further review.

CC: Joelle Lien
Northern State University
Further justification for retention of programs
6/8/16

BA in Communication Studies:

The enrollment trends in this degree indicate a continuous upward trend. From 2 enrolled in 2011 to 30 in 2015, this program aligns closely with the university's internationalization goals. **The spring 2016 graduation number of Communication Studies majors was 6.**

BA in Musical Theatre:

The enrollment trends in this degree have been somewhat stagnant. This is primarily due to the main facility and workspace for these students being offline for the past two academic years. With the scheduled opening of the renovated Johnson Fine Arts Center in August 2016, we anticipate an increase in the numbers of those majors. In spite of the smaller number of majors, we graduated **5 students in the spring 2016 commencement with a BA in musical theatre**, meeting the graduating number threshold.

Spring 2016 graduating numbers of NSU programs under review:

**BA Communication Studies – 6**
**BA Musical Theatre – 5**
**BA Music - 8**
Per the December 2015 SDBOR agenda item (5.U), four academic programs were identified as falling below the program productivity review thresholds for South Dakota State University. These programs include:

- Biochemistry (BS)
- German (BA)
- Music (BA)
- Dietetics (MS)

Each program conducted a review of the current enrollment as of census day fall 2015, number of graduates for December 2015 and projected number of graduates for May 2016, specific steps taken to increase enrollment and progress toward completion, preliminary outcomes of steps taken, and recommendations for the status of the program.

**Biochemistry (BS)** The Biochemistry program is important to the university, state and region as it is a central discipline in several statewide, institutional and departmental research and workforce development initiatives including the State of South Dakota’s science and technology plan (2020 Vision: The South Dakota Science and Innovation Strategy) which targets research infrastructure and workforce development investments in 7 industry sectors. The current NSF-EPSCoR RII track-1 project is specifically focused on building research and workforce development infrastructure in undergraduate and graduate biochemistry. Further, SDSU’s current strategic plan (*Impact 2018*) has goals of increasing undergraduate STEM degrees awarded by as much as 20% and identified expanding its bioscience research portfolio as central outcomes. Moreover, the Department of Chemistry and Biochemistry delivers PhDs in both Chemistry and Biochemistry. The American Society of Biochemistry and Molecular Biology accredited SDSU’s undergraduate biochemistry major for a full-seven year term in 2015. The organization noted the program’s excellent faculty, outstanding teaching and research, a strong interdisciplinary curriculum and modern facilities.

- Census day fall 2015 enrollment in the major: **43**. If current enrollment trends continue, the program will graduate approximately 10 students per year which would meet the BOR threshold for BS degree graduates. Enrollment since fall 2012 has increased from 26 to the current 43 students.
- Number of graduates December 2015 and May 2016: **11** total
Recruitment, retention and completion strategies include significant investments in developing and distributing recruitment materials for the major, revising the curriculum to align with national norms for the biochemistry major, and providing direct ties to graduate programs and employment opportunities for students. Work continues on communicating with potential students the excellent choice of Biochemistry for pre-professional track for those who plan to pursue medicine or dentistry. The attainment of accreditation through the American Society of Biochemistry and Molecular Biology in 2015 clearly communicates the high quality of the program.

**Recommended action for Biochemistry:** Retain due to critical need.

**German (BA)** The German program is currently a cooperative programs with Northern State University and the University of South Dakota. The three universities share in the delivery of the courses to students. Combined number of graduates for the three universities (15 SDSU + 11 USD + 4 NSU = 30) meets the productivity threshold of 25 graduates. Programs in modern foreign language are vital to meeting the needs of the state, region and nation in preparing graduates for an ever-growing global community.

- Census day fall 2015 enrollment in the major: 9 This is an increase from 6 in fall 2014.
- Number of graduates December 2015 and May 2016 (projected): 2
- Recruitment, retention and completion strategies include offering an online section of GER 101 for the first time in fall 2015 with 24 students enrolled. GER 102 is planned for online delivery as well. The Modern Language and Global Studies department is partnering with the College of Engineering to target students interested in an additional major in a language, including German. With the addition of the College of Arts and Sciences requirements for all students to complete a minor, the German minor will see an increase in enrollment. There are currently 30 students who have expressed interest in the German minor which may increase the number of students who major in German. The target is 33% of current minors to potentially declare German as a first or second major.
- Structural/staffing Issues related to the collaborative program have been identified and a plan for resolution designed. A search for a faculty position in the German program is underway.

**Recommended action for German:** Retain with further review.

**Music (BA)** The Music major is accredited by the National Association of Schools of Music (NASM). The program was re-accredited in 2010 and the next review is scheduled for 2019-2020. The Music program is fundamental to the mission of SDSU by providing high quality teaching within an accredited academic program, promoting artistic and creative works that contribute to the public good and results in cultural development, and extending the reach of the university through performance and musical events.

- Census day fall 2015 enrollment in the major: 36. This is an increase from 24 in fall 2012 and 22 in fall 2013. The increase in enrollment will result in stronger graduation numbers over time.
- Number of graduates December 2015 and May 2016 (projected): 2
- Recruitment, retention and completion strategies include a curricular review and re-organization which resulted in the termination of the BS degree option retaining just the BA for those majoring in Music, along with the addition of a specialization in music entrepreneurship. The department is also very active in Senior and Junior Day as well as Jackrabbit Receptions where it staffs a booth specific to Music. The department also actively works with deciding students to explain the opportunities available in Music. These activities in addition to numerous others have resulted in an increase in enrollment from 24 in fall 2012 to 36 in fall 2015.

**Recommended action for Music:** Retain with further review.
Dietetics (MS). This fully online program is part of the Great Plains Interactive Distance Education Alliance (GPIDEA). SDSU is one of eight universities collaborating on delivery of the curriculum. The program enables individuals who are credentialed registered dietitians an accessible educational opportunity to earn a graduate degree while working full-time. The program is the only one of its kind available from an institution in the South Dakota accredited by the American Dietetics Association (ADA).

- Census day fall 2015 enrollment in major: 18. This is an increase from 8 in fall 2014, 9 in fall 2013 and 10 in 2012.
- Number of graduates December 2015 and May 2016 (projected): 4
- The program is recruiting ample numbers of students thus the focus is on helping to facilitate completion. It is important to note that for programs which target working professionals the number of years to completion tends to be longer as students are not enrolled full-time, but part-time (1 course per term). On-going contact is maintained with students to track progress, identify any obstacles to completion and plan for timely completion.

**Recommended action for Dietetics: Retain due to critical need**

CC: Mary Kay Helling, Associate Vice President for Academic Affairs
USD Program Productivity Action Plan
Data from AAC Agenda November 5, 2015

Art Education: BFA

Data of Grads (2010-2014): 9 completers/ 25 expected

Accreditation Scheduled: CAEP 5/1/19 and NASAD 5/1/20

Fall 2014 Enrollment: 34

Fall 2015 New Students: 9

Enrollment grew from 18 in 2010 to 34 in 2014.

Considerations: Students seeking Secondary Education certification in specific disciplines often have the option of majoring in Education with the specialty track or majoring in the discipline with a specialization in Education. Over the next two years, in preparation for the CAEP accreditation visit, USD will review this dual model to see what is most efficient and which best serves the needs of students and the State. In this case all students major in the discipline.

A recent strategic planning session organized by Vermillion School Board emphasized the need for additional opportunities for art activities in the Vermillion schools at all levels.

Recommendation: Continue with re-evaluation at the accreditation visit.

Biology Education: BSED

Data of Grads (2010-2014): 3 completers/ 25 expected

Accreditation Scheduled: CAEP 5/1/19

Fall 2014 Enrollment: 9 (also 8 education-track students in Biology major)

Fall 2015 New Students: 5

Enrollment grew from 3 in 2010 to 8 in 2014 in this program and from 1 in 2010 to 8 in 2014 for the biology major track.

Considerations: Students seeking Secondary Education certification in specific disciplines often have the option of majoring in Education with the specialty track or majoring in the discipline with a specialization in Education. Over the next two years, in preparation for the CAEP accreditation visit, USD will review this dual model to see what is most efficient and which best serves the needs of students and the State.

South Dakota faces a shortage of science teachers and thus this program is essential to help address that shortage.

Recommendation: Continue with re-evaluation at the accreditation visit.
Mathematic Education: BSED

Data of Grads (2010-2014): 17 completers/ 25 expected

Accreditation Scheduled: CAEP 5/1/19

Fall 2014 Enrollment: 10 (also 16 education-track students in the Mathematics major)

Fall 2015 New Students: 0

Enrollment has remained relatively stable between 2010 and 2014.

Considerations: Students seeking Secondary Education certification in specific disciplines often have the option of majoring in Education with the specialty track or majoring in the discipline with a specialization in Education. Over the next two years, in preparation for the CAEP accreditation visit, USD will review this dual model to see what is most efficient and which best serves the needs of students and the State.

South Dakota faces a shortage of mathematics teachers and thus this program is essential to help address that shortage.

Recommendation: Continue with re-evaluation at the accreditation visit.

Spanish Education: BSED

Data of Grads (2010-2014): 3 completers/ 25 expected

Accreditation Scheduled: CAEP 5/1/19

Fall 2014 Enrollment: 1 (also 2 education-track students in the Spanish major)

Fall 2015 New Students: 0

Enrollment decreased from 4 in 2010 to 1 in 2014 and for the Spanish education track the decrease was from 7 in 2010 to 2 in 2014.

Considerations: Students seeking Secondary Education certification in specific disciplines often have the option of majoring in Education with the specialty track or majoring in the discipline with a specialization in Education. Over the next two years, in preparation for the CAEP accreditation visit, USD will review this dual model to see what is most efficient and which best serves the needs of students and the State. Language instructors are still in demand across the state given the relatively low supply.

Recommendation: Continue with re-evaluation at the accreditation visit.
Secondary Education: BSED

Data of Grads (2010-2014): 1 completer/ 25 expected

Accreditation Scheduled: CAEP 5/1/19

Fall 2014 Enrollment: 0

Fall 2015 New Students: 0

Considerations: Students seeking teacher credentials at the secondary education level either major in the specific certification major in Education (e.g., History Education, BSED) or the education track within the discipline major (e.g., History, BA with education specialization). This degree program is no longer necessary.

Recommendation: Elimination

Speech Education: BSED

Data of Grads (2010-2014): 3 completers/ 25 expected

Accreditation Scheduled: CAEP 5/1/19

Fall 2014 Enrollment: 0 (also 2 education-track students in the Speech major)

Fall 2015 New Students: 0

Considerations: Student enrollment has been 1 student in Fall 2012 and no students in Fall 2013, 2014 and 2015. Students interested in this certification have the option of majoring in the Speech Communication BA or BS tracks.

Recommendation: Elimination

Business Administration: Bachelors

Data of Grads (2010-2014): 0 completers/ 25 expected

Accreditation Scheduled: AACSB 1/1/2019

Fall 2014 Enrollment: 3

Fall 2015 Enrollment: 31

Fall 2015 New Students:

Considerations: The program has been revamped as a solid general business option for students distinct from the specific business majors. Interest in the program has grown significantly in the past year. Although it will take some time for these students to complete degrees the program appears on its way to meeting the degree expectations.

Recommendation: Continue with review as part of AACSB accreditation
French & Francophone Studies: Bachelors

Data of Grads (2010-2014): 0 completers/ 25 expected

Program Review Scheduled: 12/1/18

Fall 2014 Enrollment: 3

Fall 2015 Enrollment: 3

Fall 2015 New Students: 1

Enrollment has remained relatively stable since 2010.

Considerations: The elimination of French courses at many South Dakota high schools has decreased the enrollment in this program, especially those interested in French Education. The program has been substantially revised to encompass a broader perspective to French history and culture beyond language acquisition. We believe this change will increase student interest in the program, especially as a second major for a number of students.

Recommendation: Continue for a minimum of three years with re-evaluation at the next program review.

German: Bachelors

Data of Grads (2010-2014): 11 completers/ 25 expected

Program Review Scheduled: 12/1/18

Fall 2014 Enrollment: 2

Fall 2015 Enrollment: 1

Fall 2015 New Students: 0

Enrollment declined from 8 in 2010 to 1 in 2015.

Considerations: Collaboration across NSU and SDSU has had some issues emerge. USD is taking the lead on trying to resolve those issues. Successful collaboration is needed for students to have available to them the courses needed to progress.

Recommendation: Continuation with an increased emphasis on commitment to the collaborative model from all university partners.
Liberal Studies: Bachelors

Data of Grads (2010-2014): 7 completers/ 25 expected

Program Review Scheduled:

Fall 2014 Enrollment: 0
Fall 2015 Enrollment: 0
Fall 2015 New Students: 0

Considerations: As Attachment I Appendix C of item 5U the December 1-3, 2015 BOR agenda notes, in 2012 we responded that “This individualized, interdisciplinary program is available by petition only to students who are able to show that their specific professional and educational aims cannot be met in an existing major. While most students are best served by a traditional major, motivated students with unusual combinations of interests or talents benefit from the rigorous academic path of the BLS degree. Students take mainly upper-division courses in multiple departments within the university; the program has no assigned faculty and therefore has no dedicated instructional cost”.

Enrollments included 1 student in Fall 2012 and no students in Fall 2013, 2014 or 2015.

Recommendation: Elimination

Musical Arts: Bachelors

Data of Grads (2010-2014): 10 completers/ 25 expected

Accreditation Scheduled: NASM 12/1/17

Fall 2014 Enrollment: 4
Fall 2015 Enrollment: 8
Fall 2015 New Students: 1

Enrollment declined from 13 in 2010 to 8 in 2015.

Considerations: The majority of music majors are in music education or music performance. The musical arts major provides an option for students whose interests and abilities do not fit those other majors.

Recommendation: Continue with re-evaluation following the accreditation visit and recommendations of the accreditation team.
**Native American Studies: Bachelors**

Data of Grads (2010-2014): 8 completers/ 25 expected

Program Review Scheduled: 5/1/22

Fall 2014 Enrollment: 1

Fall 2015 Enrollment: 4

Fall 2015 New Students: 3

Enrollment has declined from 15 in 2010 to 4 in 2015.

Considerations: As Attachment I Appendix C of item 5U the December 1-3, 2015 BOR agenda notes, in 2012 we responded that “this major is only two students away from the minimum of 25. Although the appeal of the program is likely to remain limited, it provides a unique opportunity for students interested in the culture, language, and history of the indigenous people of the upper Great Plains. Students intending to work in human services or the public section of South Dakota or the region gain particular advantage from study in this field, but the availability of the Native Studies program also contributes more generally to curricular diversity at USD”.

A major curriculum revision was undertaken last year to provide clearer pathways for students. With the recent TRIO and Jump Start grants we expect to be better positioned to enable interested student to enter and complete the degree program. The major is now under the auspices of the Department of History.

Newly hired faculty have already demonstrated an ability to re-energize the program.

Recommendation: Continue

**Physics: Bachelors**

Data of Grads (2010-2014): 15 completers/ 25 expected

Program Review Scheduled: 5/1/18

Fall 2014 Enrollment: 19

Fall 2015 Enrollment: 22

Fall 2015 New Students: 5

Enrollment has grown from 15 in 2010 to 22 in 2015.

Considerations: The graduate program is a signature program for the University and the Regental System. Undergraduate enrollments appear to be growing, albeit slowly. The undergraduate program serves as a key aspect to the overall success of Physics at USD.

Recommendation: Continue
**Curriculum & Instruction: EdS**

Data of Grads (2010-2014): 2 completers/ 15 expected

Accreditation Scheduled: CAEP 5/1/19

Fall 2014 Enrollment: 1

Fall 2015 New Students: 0

Considerations: Enrollment in this program has been limited with 2 students in the Fall 2012, 3 students in Fall 2013 and 1 student in Fall 2014. Most students in EdS programs are pursuing the options in Educational Psychology and Counseling or in Educational Administration. USD will be revising the masters program in elementary education to provide more options for advanced study within the Curriculum and Instruction Division.

Recommendation: Elimination of EdS program.

**Basic Biomedical Sciences: MS**

Data of Grads (2010-2014): 10 completers/ 15 expected

Program Review Scheduled: 5/1/17

Fall 2014 Enrollment: 1

Fall 2015 New Students: 1

Considerations: As Attachment I Appendix C of item 5U the December 1-3, 2015 BOR agenda notes, in 2012 we responded that “This degree has traditionally only been awarded to students who decide not to continue with the PhD. Starting with the 2012-13 academic year, it will be awarded to all Biomedical Sciences students who have completed the requirements for a MS degree. The number of degrees awarded to PhD candidates suggests that the program already enrolls enough graduates to meet the required minimum”.

In Fall 2014 there were 27 students enrolled in the PhD program. This program supplements progress and exiting from that program and thus is needed.

Recommendation: Continue
Biomedical Engineering: MS

Data of Grads (2010-2014): 6 completers/ 15 expected

Program Review Scheduled: 5/1/19

Fall 2014 Enrollment: 3

Fall 2015 New Students: 4

Considerations: There are currently 8 students in the PhD program. The program is still fairly young but appears to be building momentum as grants increase with the possibility of increased assistantships.

Recommendation: Continue

Communication Studies: MA

Data of Grads (2010-2014): 1 completer/ 15 expected

Program Review: 5/1/21

Fall 2014 Enrollment: 19

Fall 2015 New Students: 3

Considerations: The separate majors of Communication and Contemporary Media & Journalism were restructured as a combined majors with tracks only a few years ago. The transition from distinct majors to a combined major should increase the potential graduates as well as increasing the efficiency of program delivery.

Recommendation: Continue the MA in Communication Studies (U.MA.COMM). The codes of U.MA.SPCM and U.MA.CMST were inactivated in January 2014.

Political Science: PhD

Data of Grads (2010-2014): 1 completer/ 5 expected

Program Review Scheduled: 5/1/17

Fall 2014 Enrollment: 27

Fall 2015 New Students: 4

Considerations: A second student will graduate in December 2015. The department reports that 14 students are engaged in the dissertation phase of the program and 13 students have passed the comprehensive examinations. The department recently put together a strategic plan which includes strategies addressing moving students from admission to completion with the recognition that virtually all students in the program are working professional attending the university on a part-time basis.