DELETION OF PROGRAM REQUEST
(UA Regulation 10.04.02)

(Please number the pages and include a table of contents if the request is lengthy.)

I. Cover Memorandum should include:

A. Name of person preparing request
B. Reasons for requesting deletion of program
C. Relation of program to other programs in the local unit and system
   Summarize the effects of the program deletion. For example, will deletion of the
   program cause other programs to have to alter their requirements as they utilize
   courses offered by the elected program.
D. Summarize effects on personnel directly involved with the program
E. Summarize effects deletion of program will have on budget of department
F. Provide information on current student enrollment in program or courses
   If the program currently has declared majors, supply provisions for phasing out
   program. Provide information on transfer possibilities within the system, if any.

II. Background Information

A copy of the original instructional program request, if available, or equivalent information
should be submitted.

If no formal presentation of program approval was made, the following information should
be submitted:

1. Identification of Program: Should include a brief description of the program and its goals

2. Enrollment Information: Past and present enrollment statistics should be included

3. Resource Requirements of Program: Should include personnel costs as well as support
   service costs and space requirements

III. Approval Signature Blocks provided for:

   Department Head
   Curriculum Council Chair
   Dean
   Dean of Graduate School (if graduate request)
   President, UAF Faculty Senate
   Chancellor
   President
   Board of Regents

IV. Provide an executive summary of about one page for inclusion in the Board of Regents
committee agenda.
DATE: January 24, 2010

TO: UAF Faculty Senate

THROUGH: Anthony Rickard, Chair, Department of Mathematics and Statistics
Paul Layer, Interim Dean, College of Natural Sciences and Mathematics

FROM: Dana L. Thomas, Professor of Statistics
Ronald P. Barry, Professor of Statistics
Julie McIntyre, Assistant Professor of Statistics
Margaret Short, Assistant Professor of Statistics

RE: Elimination of Statistics B.S. program

We propose to eliminate the Statistics baccalaureate program because of low enrollment. Over the past five years the number of students enrolled in the Statistics B.S. program been very small (fewer than 5) and the number of students graduating from the program has never been more than 2 or 3 in a year.

The B.S. program in Mathematics has a statistics option and we have submitted revisions to this program/option to accommodate students interested in statistics. The Statistics baccalaureate program was built upon existing service courses; the existing statistics option in the Mathematics B.S. program will continue to be offered using these courses. Enrollment in statistics courses remains strong at both the undergraduate and graduate level because these courses provide a service to other departments or the Statistics M.S. program. Thus, we anticipate little impact on other programs, the personnel directly involved with the program, or the budget of the department. This change will allow the statistics faculty to dedicate a bit more of their effort to the much stronger M.S. program in Statistics which helps provide Biometricians for the Alaska Department of Fish and Game and the U.S. Department of Interior, Wildlife Division.

Currently 3 baccalaureate students are majored in Statistics. The M.S. program has 8 students enrolled. Undergraduate course enrollments in Statistics courses for Spring and Fall semesters 2008 - 2009 are given below (dashes indicate course not taught that semester).

<table>
<thead>
<tr>
<th>Course</th>
<th>Spring 2008</th>
<th>Fall 2008</th>
<th>Spring 2009</th>
<th>Fall 2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT F200</td>
<td>105</td>
<td>85</td>
<td>100</td>
<td>71</td>
</tr>
<tr>
<td>STAT F300</td>
<td>21</td>
<td>--</td>
<td>26</td>
<td>25</td>
</tr>
<tr>
<td>STAT F401</td>
<td>32</td>
<td>41</td>
<td>32</td>
<td>16</td>
</tr>
<tr>
<td>STAT F402</td>
<td>--</td>
<td>15</td>
<td>--</td>
<td>22</td>
</tr>
<tr>
<td>STAT F461</td>
<td>17</td>
<td>--</td>
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</tr>
</tbody>
</table>

Students currently in the Statistics B.S. program will be allowed to complete their programs under the catalogs they are eligible to use or move to the old or newly proposed statistics option in the Mathematics program. Only one course change is being implemented that may impact such students; STAT 480, Senior Project, will be eliminated and replaced with STAT 454 Statistical Consulting Seminar in the newly proposed statistics option in the Mathematics program. Students wanting to complete a Senior Project rather than take STAT 454 will be given that option. We will keep the Senior Project in the catalog for the next 3 years to accommodate such students. There is no other statistics program available within the UA System so internal transfers are not an issue.
II. Background Information

The original instructional program request for the B.S. Degree in statistics is unavailable. The following description of the program and its goals is taken from the UAF course catalogue.

Statistics is a collection of methods and theories for making decisions or estimating unknown quantities from incomplete information. Statistical techniques are useful, for example, in estimation plant, animal and mineral abundances; forecasting social, political and economic trends; planning field plot experiments in agriculture; performing clinical trials in medical research; and maintaining quality control in industry. Employment opportunities are excellent for statisticians in many of these areas of application.

The curriculum for the B.S. degree program in statistics was developed using guidelines proposed by the American Statistical Association and provides graduates with a strong mathematics, computation and statistics background and integrates this with an area of application. The program allows considerable flexibility in the choice of the area of application by requiring a major in any area offered by UAF.

Although enrollment in undergraduate statistics courses is typically high, the number of students declaring the statistics major has remained low. There are currently three students seeking the B.S. degree in statistics. Over the past five years the number of students enrolled in the Statistics B.S. program been very small (fewer than 5) and the number of students graduating from the program has never been more than 2 or 3 in a year.

The B.S. Degree in Statistics has no space requirements, nor any special personnel or support service costs.
III. Approval Signature Blocks

Chair, Department of Mathematics and Statistics 2/24/10

Chair, CNSM Curriculum Council 3/10/10

Dean, CNSM 3/15/10

President, UAF Faculty Senate

Chancellor, UAF

President, UA System

Board of Regents

Date

Date

Date

Date

IV. Executive Summary

We propose to eliminate the Statistics baccalaureate program because of low enrollment. The B.S. program in Mathematics has a statistics option and we have submitted revisions to this program/option to accommodate students interested in statistics. We anticipate little to no impact on other programs, the personnel directly involved with the program, or the budget of the department.