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APPENDIX D – INSTITUTIONAL SUMMARY

A. The Institution

1. Name and Address of the Institution

South Dakota School of Mines and Technology
501 East Saint Joseph Street
Rapid City, SD 57701-3994

2. Name and Title of the Chief Executive Officer of the Institution

Dr. Robert A. Wharton, President

B. Type of Control

State public university, governed by the South Dakota Board of Regents

C. History of Institution

The South Dakota School of Mines and Technology (SDSM&T) is a public specialized science and engineering university located in Rapid City at the eastern boundary of the Black Hills that offers 16 B.S., 13 M.S., and 7 Ph.D. degree programs in science and engineering. Established in 1885 to provide instruction in mining engineering, it diversified as a science and engineering school following World War I, and the name of the institution became the South Dakota School of Mines and Technology in 1943.

The school is part of the South Dakota Board of Regents system of six state universities and one cooperative university center located in Sioux Falls. A cooperative university center located in Rapid City to serve the western part of the state is slated to open in fall 2010. All universities in the Regents system are governed by a single Board of Regents the offices of which are located in the middle of the state in Pierre. Institutions in the Regents system have common course numbering and equivalencies, shared academic calendars and academic policies, uniform personnel policies and contracts, and collaborative discipline councils. In addition, all contribute to a system-wide Electronic University Consortium.

The campus currently includes 651,847 square feet of building space with 33,374 square feet devoted to classrooms, 139,416 square feet devoted to instructional and research laboratories and 75,162 square feet devoted to offices and administration. Two building are now under construction, The Paleontology Research Laboratory (33,000 square feet), and the Chemical and Biological Engineering/Chemistry Building Addition (45,000 square feet). In addition, the Tech Development Laboratory is located near campus, and the Black Hills Business Development Center is located on campus but is run as a collaborative enterprise between SDSM&T and the regional economic development entities.

Serving 1,912 undergraduate and 264 graduate students (2,177 total) at SDSM&T are 126 full-time faculty members (excluding adjuncts), 100 full-time administrators, 91 full-time career service and

professional staff members.¹ In July 2009, the administrative structure was flattened through elimination of college divisions and two dean positions. Department head positions are transitioning to 12-month contracts, and the scope of control and responsibility of the position has been enlarged.

For fiscal year 2009, SDSM&T was awarded approximately \$21 million in external funds for research and, as such, plays the leadership role for the western half of the state in technology transfer and economic development. On a per capita basis our faculty involvement in externally funded research is the highest in the state.

In fall 2008, after becoming SDSM&T's 18th president, Dr. Robert Wharton articulated four strategic foci to guide planning and decision making:

- Optimizing enrollment
- Securing resources
- Developing graduate programs and the research enterprise, including DUSEL (the Deep Underground Science and Engineering Laboratory, a planned national lab to be located in the former Homestake gold mine in Lead, SD)
- Continuously improving quality

SDSM&T is a small, primarily undergraduate engineering and science institution, with a relatively low cost of attendance and a dedicated faculty and staff. Graduates are highly valued by employers for their training and their distinctively strong Midwestern work ethic. Because of our relatively small size, our student to faculty ratio is small (i.e., less than 14 students per faculty member), and there is a sense of community among faculty, students, and alumni/alumnae. Given our strong reputation for academic excellence, we are particularly pleased to have been ranked one of America's 100 Best College Buys for twelve consecutive years. For more information on the 100 Best College Buys designation, see <<http://sdmines.sdsmt.edu/roi>>.

D. Student Body

In fall 2009, the South Dakota School of Mines and Technology enrolled 2,177 students. Of these, 1,338 were undergraduate engineering majors. The student body is composed primarily of males (71.4%), Caucasians (at least 81.2%), and South Dakota residents (60.3%). American Indian students comprise 3.2% of the student population. Students are not required to report ethnicity, and 5.8 % refrained from doing so.

The data tell us that our students are smart, focused, and have distinctive educational and developmental needs. Results from the National Survey of Student Engagement (NSSE) and Student Satisfaction Inventory (SSI) results make clear that SDSM&T students are highly goal and task oriented, technologically skilled, yet relatively homogeneous in their Western cultural views. They place high importance on values and ethics but too seldom interact with people from diverse and differing cultural and religious orientations. More of them work off campus and have family or caregiver responsibilities than students at peer STEM institutions. And despite the relatively modest cost of attending SDSM&T (i.e., \$11,588/ year for residents; \$12,996 for non-residents) including tuition and fees, room and board, and books and supplies, 47% receive Federal financial aid.

¹ Numbers are from our IPEDS report for the 2009-2010 reporting year

SDSM&T students are generally well prepared academically. In 2008, the national average composite ACT score for entering college freshmen was 22. Entering freshman at SDSM&T in 2009 entered with an average composite ACT score of 26.1 (with a mean 26.7 math score) and an average high school GPA of 3.51. We are systematically raising our admission standards and anticipate achieving our goal of having all students be calculus ready upon admission. Our students outperform students within the Regents system. South Dakota is one of two states nationwide that uses ACT and Collegiate Assessment of Academic Proficiency (CAAP) scores as bookend assessments of learning gains in the general education program and requires a passing score for degree progression beyond the sophomore year. All regents' institutions have conducted proficiency testing since 1998. Compared to national norms, South Dakota students test higher than the national norms in all four testing areas (writing, mathematics, reading and science reasoning), and SDSM&T students consistently score highest in the state.

The 6-year undergraduate completion rate for our IPEDS-defined Federal Cohort stood at 35.5 percent for the 2003 cohort with two percent still enrolled in fall 2009; our institutional goal is 65 percent. Freshmen-to-sophomore retention (fall 2008 to fall 2009) is 82.5 percent. Our institutional goal is 80 percent. The most recent freshmen to junior retention rate stands at 61.1 percent (fall 2007 to fall 2009).

SDSM&T students fare well in the job market. More than 98% of the 2007-08 graduates were placed in jobs in their career fields or graduate professional programs in 2008, and for those who entered the workplace, the 2008 average starting salary was \$56,000. They also need to be prepared for a diverse, international job market, so gaining a global perspective even though the undergraduate population is fairly homogenous in terms of race and age is one example of our students' distinctive educational needs.

Intercollegiate athletics attracts 10% of the undergraduate population. Teams are competitive in the NAIA Dakota Athletic Conference (DAC). For the fourth consecutive year, SDSM&T was named the recipient of the Dakota Athletic Conference Scholars Award. The award is presented annually to the school with the highest percentage of athletes honored as DAC Scholar-Athletes. In all, more than half of Hardrocker athletes were honored for their academic achievements.

Our goals for student learning and shaping the academic climate are focused on developing informed and responsible scientists and engineers who behave ethically, value a global perspective, and accept the duties and responsibilities of citizenship. Our curricula and co-curricular programming reflect our belief that engineers and scientists are crucial to the advancement of society and that a well rounded education is part of preparing them to assume leadership roles in engineering and science.

The STEPS (STudents Emerging as Professionals) program run by the Division of Student Affairs is critical to student development in the technical, professional, and affective domains. The STEPS program was designed to align with the student learning outcomes required of all programs accredited by ABET. All our undergraduate programs covered by one or more of the commissions of ABET, Inc. are accredited with the exception of mining engineering which is awaiting the results of an initial accreditation visit that occurred in fall 2009.

The outcomes of STEPS were developed with help from alumni, business and industry partners, and University Advisory Board (UAB) members. All input endorsed the need for graduates to have technical competence and professional skills in order to contribute to society and advance professionally. The following nine STEPS outcomes are sought for all students, regardless of major:

1. act with integrity
2. value diversity
3. respect self and others

4. communicate
5. lead and serve on teams
6. value a global perspective
7. apply technical understanding
8. serve the community
9. engage in life-long learning

To shape and educate well-rounded, professional, and technically competent scientists and engineers, we emphasize hands-on education, promote undergraduate research, and require all seniors to complete a design project. Multidisciplinary team projects and industry-based or sponsored projects are encouraged in many majors and, although participation in a co-op or internship is not mandatory, approximately 75% of graduates have one or more of these experiences.

Teaming, design, and advanced problem-solving skills are fostered through the multidisciplinary student teams fielded by our Center for Applied Manufacturing and Production (CAMP) program. Students of all class levels can contribute to teams, such as those for the Concrete Canoe, West Regional Mini Baja, IEEE Robotics, Human Powered Vehicle, SAE Aero Design, and the Unmanned Aerial Vehicle. Student teams compete nationally and internationally.

E. Regional or Institutional Accreditation

The institution is accredited by the following:

Accreditation Unit	Date of Initial Accreditation	Date of Most Recent Accreditation
Higher Learning Commission of the North Central Association	1925	2006
Engineering Accreditation Commission of ABET, Inc.	1936	2009
American Chemical Society	1950	2007*
Computing Accreditation Commission of ABET, Inc.	1992	2008

*The American Chemical Society “approves” programs in chemistry on a 5-year review cycle

F. Personnel and Policies

1. The promotion and tenure system

To be eligible for promotion, the faculty member must meet the minimum rank qualifications set forth in the Agreement between the South Dakota Board of Regents and the Council of Higher Education, an affiliate of the South Dakota Education Association. These specify educational experience and years of experience required for each rank. In addition to the minimum promotion criteria, faculty must meet institutional and departmental standards for promotion and tenure.

Faculty members who wish to be considered for promotion must notify their department head in writing no later than October 5. It is the responsibility of the faculty member to prepare and submit all favorable documentation that he or she wants considered in the decision and to submit this with the request for consideration. This documentation, together with the recommendation of the department head, is then forwarded to the Office of the Provost and Vice President for Academic Affairs by November 5.

Faculty members are considered for tenure in their sixth year of tenure-track service, and must have achieved the rank of Associate Professor to be granted tenure. The procedures for tenure application are the same as those for promotion described above. Faculty who do not apply for or who are not granted tenure must be given notice of non-renewal of their tenure-track contract. The contract between the Board of Regents and the Council on Higher Education requires that unsuccessful applicants for tenure be granted one additional term contract following the decision not to award tenure.

The Office of the Provost and Vice President for Academic Affairs then makes these materials available to the institutional Promotion and Tenure Committee. By contract, the Promotion and Tenure Committee must consist of equal numbers of members elected by the faculty and members appointed by the President.

The Promotion and Tenure Committee reviews all materials and has access to the faculty member's personnel file. The committee consults with the faculty member and other appropriate individuals as it sees fit. By January 15, the committee forwards all information, together with its recommendation, to the President who then forwards his recommendation for or against promotion and/or tenure to the Board of Regents.

2. The process used to determine faculty salaries

Distribution of salary monies appropriated by the Legislature is negotiated by the Board of Regents and the Council on Higher Education. The allocation of salary increases is based on market, performance and institutional priorities, with specific formulas for this allocation specified in the negotiated agreement. Most recently, the market, performance, and priorities factors were allocated 30%, 60%, and 10% of the salary pool respectively. During the annual performance evaluation, department heads must indicate whether, in their estimation, the faculty member has met, fallen short of, or exceeded expectations in teaching, in scholarship, and in service.

There was no salary increase for fiscal year (FY) 2010 and will be none for FY 2011. However, unlike many systems, the budget cuts we faced in FY 2010 were modest, and the cuts in state funding for FY 2011 (i.e., \$211,684) are being managed with careful planning. The FY11 cut in state funding is 1.5% of the total general fund support we receive from the state (i.e., 1.5% of \$13,973,202). Average salary increases of 4.0% were awarded in FY07, FY08, and FY09.

3. Faculty benefits

Benefits: Faculty at SDSM&T must participate in the state retirement system. Six percent of salary is deducted each month and matched with another six percent by the institution. The six percent of deducted salary is not federally taxed; nor is the state contribution taxed. One must be employed by the state for three years before being vested, but a percentage of contributions are reimbursed to faculty members who leave prior to that time.

Health insurance, including major medical, is paid for each faculty member by the institution. Faculty members can select from amongst deductible plans. The faculty member has the option of paying for other members of his or her family as well as for supplemental dental, vision, major injury protection, and hospital income protection plans.

Consulting: Under South Dakota Board of Regents Policy faculty members will not contract to devote more than four (4) days per month on such activity if said activity requires the faculty unit member's absence from duties. Such consultation and related activity privileges are cumulative to a maximum of six (6) days, with all accumulated time to terminate with the end of the faculty member's contract period.

Such activity must promote state and local economic development or must benefit the professional discipline and development of the individual. A faculty member who wishes to engage in consulting must apply in writing to the president and must limit such activity so that it will not interfere with assigned responsibilities. Consulting activities develop the faculty member's expertise and help the faculty member bring relevant experience to the classroom and so are encouraged.

Sabbaticals and Career Improvement Leave: Faculty members may apply for sabbatical leave after six years of service at the university. Approval for sabbatical leave is contingent on the faculty member presenting plans for formal study, research or other experiences that will enhance the professional development of the individual. Sabbaticals may be taken for one semester at full pay or for one year at half pay. The number of faculty members on sabbatical at any one time is limited by Board policy to no more than five percent of the faculty.

Faculty members may be granted career improvement or career redirection leave after three (3) consecutive years of full-time employment in the system. The faculty member applies to the department head, Provost, President and the BOR, as in the case of sabbatical leave applications. Career improvement or career redirection leave can be for up to 12 months in duration, and the faculty member is paid 8% of the salary which would have been paid on full-time employment for each full year of consecutive full-time service up to a maximum of fifty percent (50%) of salary, or not more than six (6) consecutive months at sixteen percent (16%) of the salary which would have been paid on full-time employment, for each full year of consecutive service up to a maximum of one hundred percent (100%) of salary.

G. Educational Unit

On July 1, 2009, the college structure consisting of a College of Engineering and a College of Science and Letters was disbanded. The administrative structure was flattened through the elimination of the dean positions, and the academic program leadership was strengthened by transitioning the 9-month chair positions to 12-month department head positions. Currently, five of the eight departments offering programs under review by ABET, Inc. have department heads. The remaining chair positions will be converted to head positions as budget and hiring allow. Department heads and chairs report directly to the Provost and Vice President for Academic Affairs and meet with him weekly in an Academic Leadership Council.

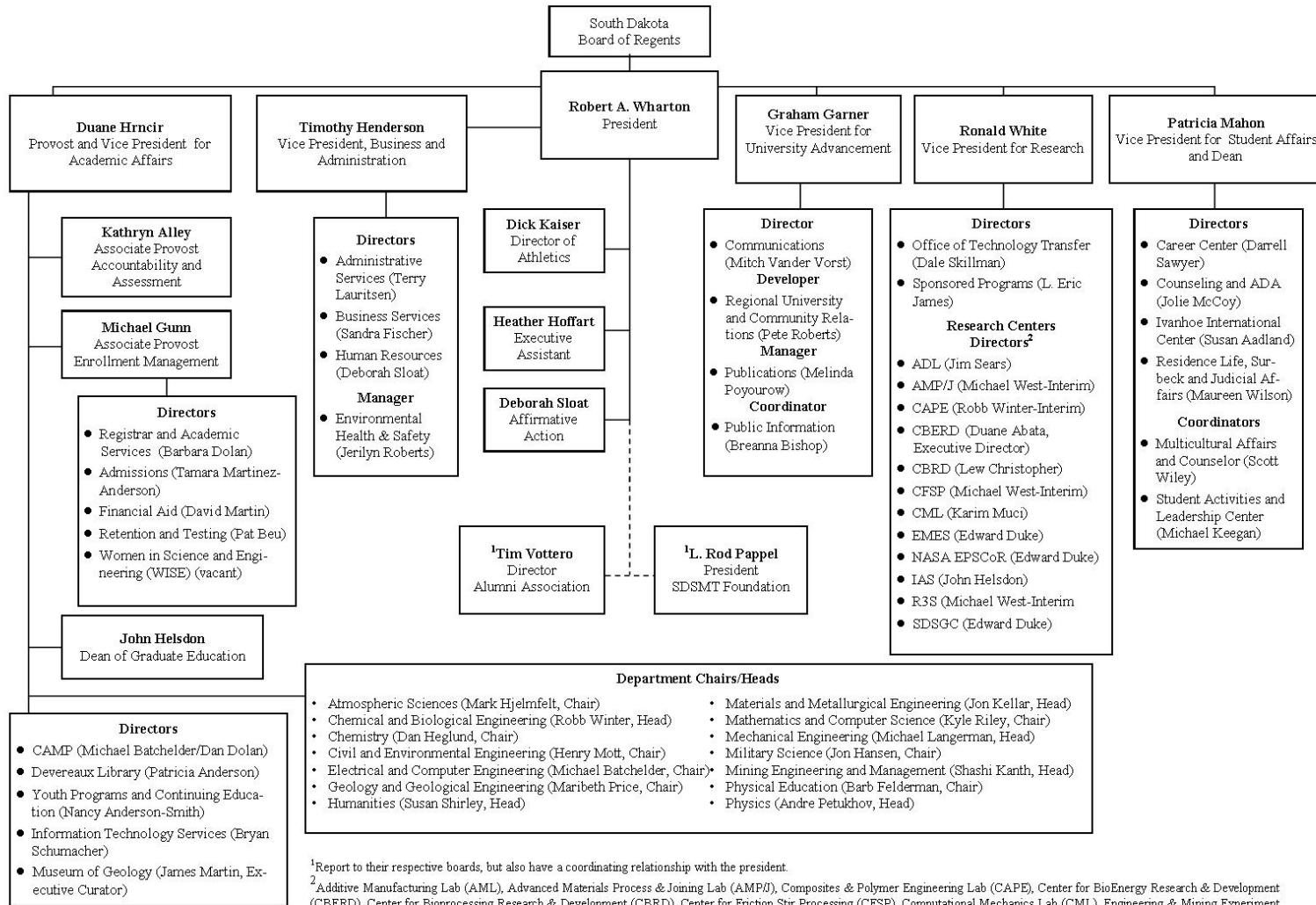
For the purposes of presenting tabular data in connection with self-study and accreditation review under ABET, Inc., the "educational unit" is defined as all programs reviewed and/or accredited by ABET., Inc. Included in tabular data citing the "educational unit" are the following programs:

1. Chemical Engineering
2. Civil Engineering: (housed in a single Department of Civil and Environmental Engineering)
3. Computer Engineering : (housed in a single Department of Electrical and Computer Engineering)
4. Computer Science (housed in a single Department of Math and computer Science)
5. Electrical Engineering (housed in a single Department of Electrical and Computer Engineering)
6. Environmental Engineering (housed in a single Department of Civil and Environmental Engineering)
7. Geological Engineering (housed in a single Department of Geology and Geological Engineering)

8. Industrial Engineering
9. Metallurgical Engineering
10. Mechanical Engineering
11. Mining Engineering

When deemed to be of greater usefulness to the evaluation team, data for the institution as a whole (i.e., all academic programs) is given and clearly labeled as such. Current organizational charts for the institution as a whole and for the division of Academic Affairs are included below.

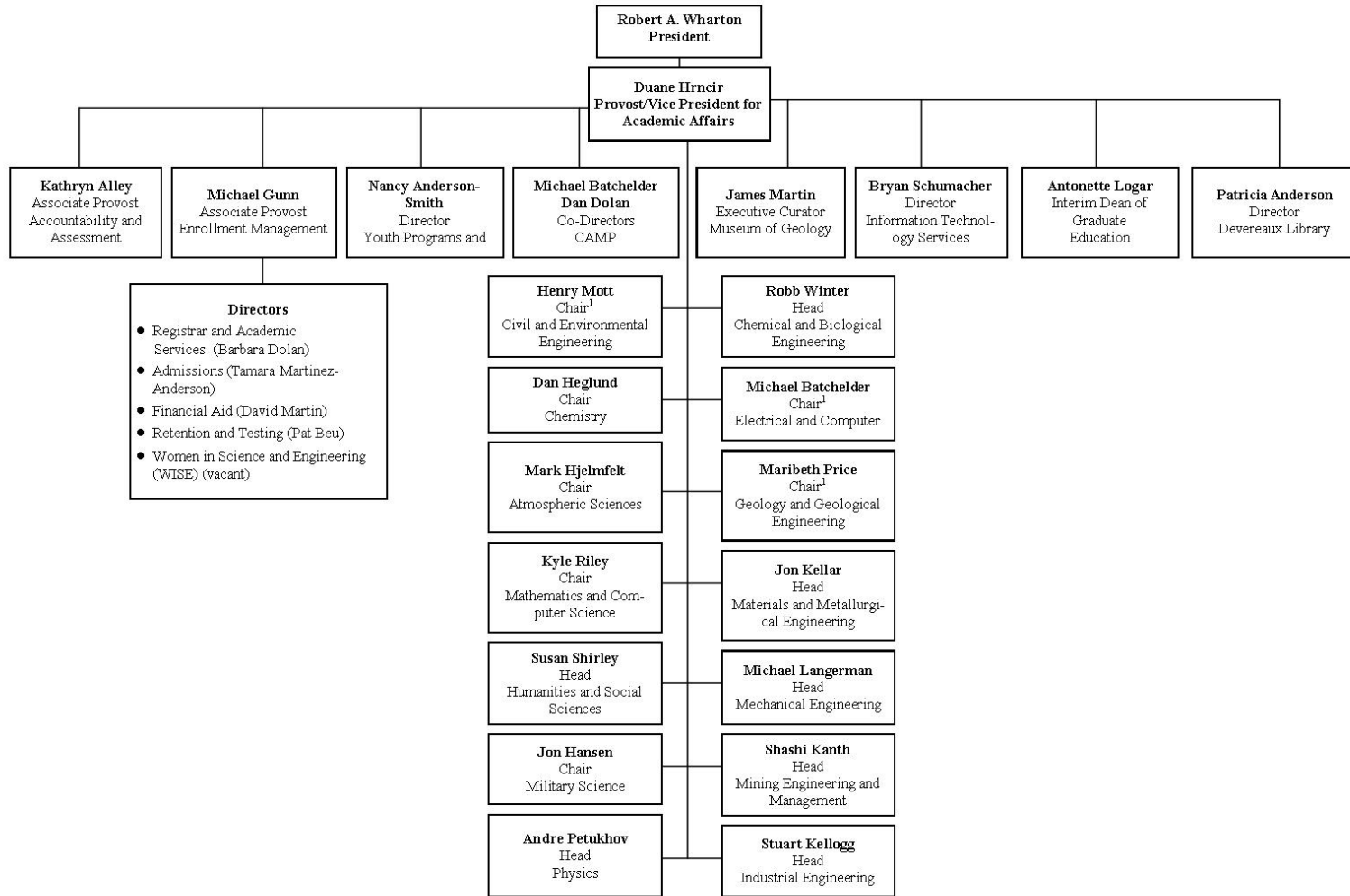
South Dakota School of Mines and Technology Organizational Chart—January 2010



¹Report to their respective boards, but also have a coordinating relationship with the president.

²Additive Manufacturing Lab (AML), Advanced Materials Process & Joining Lab (AMP/J), Composites & Polymer Engineering Lab (CAPE), Center for BioEnergy Research & Development (CBERD), Center for Bioprocessing Research & Development (CBRD), Center for Friction Stir Processing (CFSP), Computational Mechanics Lab (CML), Engineering & Mining Experiment Station (EMES), NASA Experimental Programs to Stimulate Competitive Research (NASA EPSCoR), Institute for Atmospheric Sciences (IAS), Repair, Refurbish & Return to Service Applied Research Center (R3S), South Dakota Space Grant Consortium (SDSGC)

South Dakota School of Mines and Technology Academic Organizational Chart—Spring Semester 2010



¹ Searches are underway for department heads for Civil and Environmental Engineering, Electrical and Computer Engineering, and Geology and Geological Engineering. These departments are expected to have 12-month department head leadership by fall 2010 semester.

H. Credit Unit

The South Dakota School of Mines and Technology operates on a semester credit hour basis. Under South Dakota Board of Regents policy a semester shall consist of a minimum of fifteen (15) weeks. The number of class days in a given semester shall be inclusive of those days set aside for registration, assessment/performance testing and final examinations but exclusive of holidays and days set aside for new student orientation. The final examination period typically is five days.

A credit hour is three hours of in-class time and preparation combined per week for one semester. A recitation or lecture is scheduled as one fifty-minute period plus two hours of preparation for an average student per week per credit hour. Each credit hour of laboratory work is scheduled as 110 to 170 minutes per week. Laboratories scheduled for two hours per credit hour are expected to require one hour of work outside of the scheduled time per week per credit hour.

I. Instructional Modes

Instruction in all programs is predominately in a classroom/laboratory format. SDSM&T believes that experiential learning is a valuable way to enhance this instructional format and numerous programs have incorporated such activities. Examples of these include internship/co-ops, participation in undergraduate research, local, regional, national, and international field work, and participation in engineering contests.

In 2006 SDSM&T began a tablet PC program under which each entering freshman is issued a tablet PC. The faculty is continuing to incorporate the use of the tablets into the curricula. SDSM&T faculty members collaborate with colleagues at the other regental institutions by providing instruction via streaming video, web-based courses, and hybrid courses. The MS in Technology Management is delivered entirely asynchronously.

The Information Technology Services office provides support for the tablet PC program and all other areas of technology usage in the classroom.

J. Grade-Point Average

An overall grade point average of 2.0 is required for graduation.

K. Academic Supporting Units

Foundational courses for all engineering programs at the South Dakota School of Mines and Technology are provided by faculty in chemistry, physics, mathematics, humanities, and social sciences. Additionally, mining engineering also shares some course offerings with geological engineering.

All students complete a 30 credit hour system-wide general education core curriculum consisting of 9 credits of written and oral communications, 6 credits of humanities, 6 credits of social sciences, 6 credits of a science with laboratory, and 3 credits of mathematics. SDSM&T engineering students take an additional 3 credits of humanities or social science at the upper division level, as well as mathematics and science courses far in excess of that required for meeting the general education requirements.

In addition, under board policy, each program has identified within the major requirements at least one course that is “writing intensive” and one course that is “global intensive.” In order to better ensure

integration of general education skills into the major and to reinforce key skills at the junior and senior level, the engineering programs at SDSM&T all designated courses at the 300 level or above as the “writing-“ and “global-intensive” courses students are required to take.. The purpose of a “writing-intensive” course at the 300-level or above is to ensure each student exercises the skill of writing in the context of his or her discipline.

For the “writing-intensive” course(s) in the discipline, the following objective and outcome statements are modified and included in the course objectives and outcomes:

OBJECTIVE: Students will write effectively and responsibly in accordance with the needs of their own disciplines.

OUTCOMES: As a result of taking courses meeting this goal, students will:

1. Produce documents written for technical, professional, and general audiences within the context of their disciplines.
2. Identify, evaluate, and use potential sources of information from within their disciplines for writing assignments that require research and study.
3. Use instructor feedback throughout the semester to improve the quality of their writing.

Writing-intensive courses are designated as such in Board of Regents policy and must have the following features:

- The syllabus clearly articulates the goals, learning outcomes, and assessments related to writing.
- The student’s writing is evaluated as part of the course.
- Students have the opportunity to improve their writing skills during the course.
- Performance on writing assignments contributes to the student’s grade for the course.

The “writing-intensive” courses for the engineering program reviewed this cycle are as follows:

Major	Prefix	Course Title
Chemical Engineering	ChE 487	Global and Contemporary Issues in Chemical Engineering.
Civil Engineering	CEE 463	Engineering Professions
Computer Engineering	CENG 464	Computer Engineering Design I
Computer Engineering	CENG 465	Computer Engineering Design II
Electrical Engineering	EE 464	Electrical Engineering Design I
Electrical Engineering	EE 465	Electrical Engineering Design II
Environmental Engineering	EnvE 327	Introductory Environmental Engineering Design
Environmental Engineering	ATM 505	Air Quality
Geological Engineering	GEOE 461	Petroleum Production
Geological Engineering	GEOE 466	Engineering and Environmental Geology
Industrial Engineering	IENG 366	Management Processes
Mechanical Engineering	ME 481L	Adv. Product Development Lab I
Mechanical Engineering	ME 482L	Adv. Product Development Lab II
Metallurgical Engineering	MET 310	Aqueous Extraction, Concentration, and Recycling
Metallurgical Engineering	MET 321	High Temperature Extraction, Concentration, & Recycling

For the “global-intensive” course(s) in the discipline, the following objective and outcome statements are modified and included in the course objectives and outcomes:

OBJECTIVE: Students will understand the implications of global issues for the human community and for the practice of their disciplines.

OUTCOMES: As a result of taking courses meeting this goal, students will:

1. Identify and analyze global issues including how multiple perspectives impact such issues;
2. Demonstrate a basic understanding of the impact of global issues on the practice of their discipline.

Global-intensive courses are designated as such in Board of Regents policy and must have the following features:

- The syllabus clearly articulates the goals, learning outcomes, and assessments related to global issues.
- The student’s understanding of the issues addressed in the course is evaluated through graded assignments, reports, papers, tests, etc.
- Performance on such assignments contributes to the student’s grade for the course.

The “global-intensive” courses for the engineering program reviewed this cycle are as follows:

Major	Prefix	Course Title
Chemical Engineering	ChE 487	Global and Contemporary Issues in Chemical Engineering.
Chemical Engineering	ChE 464	Chemical Engineering Design I
Civil Engineering	CEE 464	Civil Engineering Capstone Design I
Civil Engineering	CEE 465	Civil Engineering Capstone Design II
Computer Engineering	CENG 464	Computer Engineering Design I
Computer Engineering	CENG 465	Computer Engineering Design II
Electrical Engineering	EE 464	Electrical Engineering Design I
Electrical Engineering	EE 465	Electrical Engineering Design II
Environmental Engineering	EnvE 464	Environmental Engineering Design I
Environmental Engineering	EnvE 465	Environmental Engineering Design II
Geological Engineering	GEOE 464	Geological Engineering Design Project I
Geological Engineering	GEOE 465	Geological Engineering Design Project II
Industrial Engineering	IENG 464	Senior Design Project I
Mechanical Engineering	ME 477	Mechanical Engineering Design I
Mechanical Engineering	ME 479	Mechanical Engineering Design II
Metallurgical Engineering	MET 310L	Aqueous Extraction, Concentration, and Recycling Laboratory
Metallurgical Engineering	MET 465	Engineering Design IV

The following people provide leadership for the academic supporting units:

Department	2009-2010
Chemistry	Dr. Dan Heglund, Chair*
Geology and Geological Engineering	Dr. Maribeth Price, Chair*
Humanities	Dr. Sue Shirley, Head
Mathematics and Computer Science	Dr. Kyle Riley, Chair*
Physics	Dr. Andre Petukhov, Head
Social Sciences	Dr. Sue Shirley, Head

* department chair positions are being converted to 12-month head positions as quickly as budgets allow.

L. Non-Academic Supporting Units

Information Technology Services; Bryan Schumacher, Director

Information Technology Services (ITS) comprises two groups: Information Services and Technology Services. The mission of Technology Services is to be proactive in providing responsive, people-centered technology, training and support in the SDSM&T computing and networking environment. The mission of Information Services is to create and develop software campus-wide to support the efforts of all campus computing needs. The ITS Help Desk, located in Library, operates as a single point of contact for all students, faculty, and staff, providing technical assistance and scheduling services for equipment and facilities. The ITS Help Desk works with faculty and staff not only in a technical assistance role, but also in supporting classroom activity.

ITS supports all campus network facilities and connectivity, as well as centrally managed computing facilities available for use by students (both local and remote), faculty, staff and administrators. Special-purpose networks and computing facilities in academic departments are usually managed by local system administrators, with support from the ITS group. ITS has developed cooperative agreements with departments to ensure that distributed support personnel receive appropriate training and professional development opportunities, and that their expertise is available campus-wide.

ITS also provides technologies for the classroom, including computers, projection systems, video capture and streaming, self-serve disc duplicating equipment; supports faculty using instructional technologies, WWW, collaborative software, and smart classrooms; participates in faculty development; and provides and coordinates services to distance education students.

Services available to assist faculty and students include:

1. ITS Help Desk facility, open hours during the academic year:
 - 7:30 am to 9 pm, Monday-Thurs
 - 7:30 am to 5 pm, Friday
 - 2 pm to 10 pm, Sunday
 - Holiday and summer hours vary, based on needs.

2. Emergency pager service, 24 hours x 7 days. Any student, faculty or staff member may report outages or malfunctions via the ITS pager service.
3. Shared peripherals, including page scanners, laser printer, color printer, a large-format color plotter, media duplicating equipment, including video capture and streaming.
4. Introductory workshops, seminars and tours, informal training, and one-on-one training and support for individual faculty.
5. Answers to many common questions, and additional information regarding computing and networking is available through the ITS homepage, its.sdsmt.edu. Selected portions of this information are also available in printed form.
6. In-depth consulting and assistance with software, hardware or other technologies including repair and upgrade of desktop equipment, setup and configuration of peripherals, and network connection of desktop PCs, UNIX workstations, and departmental servers.
7. A fairly complete suite of Microsoft products, including Office 2007, is widely available on campus. Several current programming languages and environments are available to students and faculty. Solidworks and AutoCAD are available for student use, in addition to other specialized software packages used mostly in upper-division mechanical and civil engineering. ArcInfo and virtually the entire suite of ESRI products are available through a statewide licensing agreement; these are now used in atmospheric sciences, geology and geological engineering, and civil engineering. IDL/ENVI is site licensed for the campus, and will be available for use in electrical engineering, physics and computer engineering, as well as atmospheric sciences and geology and geological engineering, where it is currently used. The MSDN program allows enrolled students to download a variety of Microsoft software products for use in academic pursuits

Access to central computing facilities or network connectivity for students is based on legitimate enrolled status. Each student is assigned an account number and password and an email account. In general, students have access to all computer labs whenever the buildings are open.

In Fall 06, the SDSMT Tablet PC Program was brought online with incoming freshmen. Each semester thereafter new students were enrolled in the program, and as of fall 2010, all students are now part of the Tablet Program. The students are issued a Tablet PC, and have wireless capabilities covering the entire campus, including the dorms and sports arenas.

Currently all residence hall rooms are wired and active, and support approximately 450 connections. All dorms also have wireless access so students are not tied to their rooms for a network connection. A volunteer-based group has been formed in the residence halls to provide extended computing support to resident students. ITS provides training for student volunteers, and supplies additional funding and coordination for publicity and organizational tasks.

The on-campus wired network is growing and SDSM&T's connectivity to Internet and other national networks is near effective capacity. In the Fall of 2008, SDSMT was brought on board the REED network, which is a 10GB link to other institutions and government agencies. Students and faculty and the applications they require to pursue academic goals increasingly require 24 hr/7 days a week production-quality network and computing services. ITS personnel do an excellent job in providing these critical services despite low fulltime staffing levels and intense dependence on part-time student

employees. ADA access to some computing facilities is problematic due to building restrictions, although accommodations are always made.

The FY10 institutional budget for ITS is \$1,247,069 and includes roughly equal amounts for personnel and for operations and maintenance.

Significant technology expenditures are also made using non-ITS funds. ITS reviews such expenditures by other campus entities, in an effort to consolidate purchases, determine when site licensing or other options can be cost effective, and track and anticipate developing needs across campus. Campus wide computing facilities supported by ITS include the following.

Instructional Computer Labs (Open for general use when not scheduled for classes)

Building and Room Number	Purpose of Lab, Courses Taught	Condition of lab	No of student stations
Civil/Mechanical 227	CEE284, GE117, CEE117, CEE437, ME 110, IENG 411	3.0 Ghz 1Gb Mem	40
Electrical Engineering/ Physics 307	CHE250, CSC150, Geog 211, MIS 205 (BH)	2.8GHZ 1Gb Mem	23
TOTAL			63

Other SDSM&T Computer Laboratory Facilities

Building and Room Number	Purpose of Lab, Courses Taught	Condition of Lab	Number of student stations
Library (dispersed throughout building)	Open lab	2.8Ghz 1Gb Mem	20
Surbeck Center 106	Open lab	2.4Ghz 512 Mem	12
TOTAL			32

All PC lab machines are running Windows XP Pro with Office 2007 along with various other software packages.

Every year, ITS solicits requests from each academic program regarding specialized software that needs to be loaded on faculty member and/or lab computers for the program. Faculty members are also asked about any software deemed useful to include in the “base image” used to load a minimum standard of updated software on all computers campus wide.

The following is a list of software items in the “base image” as well as specialized software in all programs reviewed by ABET, Inc.

Base Image	Specialized Software, by lab or program
Office 2010	<u>CAD</u>
Symantec Antivirus	Solid Works
Adobe Reader	<u>Chemistry</u>
Macromedia Authorware Player	Logger Pro 3.8
Microsoft .NET Framework 3.5	<u>Chemical / Biological Engineering</u>
Adobe Shockwave Player	Polymath 2009
Java	EES
Adobe Flash Player	Loop-Pro (Control Station)
Real Player	Aspen / SQL Server
Windows Media Encoder	MD Solid
Windows Media Player	<u>Civil and Environmental Engineering</u>
DVD Player Codec	Visual Analysis 5.5
Quicktime Player	GeoStudio Slope 7.1.3
Internet Explorer 8	LPILE v5
Opera	VISSIM v5.1
Chrome	Arc GIS 9.3.1 and Python
Firefox	RAM and STAAD
	Rocsience
<u>Misc Software</u>	HEC HMS/RAS/GeoHMS/GeoRAS
CMD Here Powertoy for Windows	<u>Computer Science</u>
PuTTY	Microsoft Visual Studio 2008/SDK/SQL Server
winspc416	<u>Math</u>
7 ZIP 4.65	Maple 13
Tortoise SVN 1.5.6	Math CAD/Ghostscript
VIM 7.2	MiniTab 15
GhostScript	<u>Electrical Engineering</u>
MathType Fonts	ADS 2009
Pidgin 2.5.3	B2 Spice AD v4 Lite
Dyknow	IE3D (Zeland Products)
Visual Studio 2005	Pspice
Hummingbird	CST 2009
Turning Point Responseware	MatLab
	<u>Geology</u>
	ENVI+IDL 4.5

	IDV 2.7
	<u>Industrial Engineering</u>
	Arena 12
	<u>Mechanical Engineering</u>
	ABAQUS
	Fluent
	<u>Metallurgical Engineering</u>
	Thermocalc/DICTRA
	Math CAD/Ghostscript

Devereaux Library, Patricia Andersen, Director

The Devereaux Library maintains a totally integrated collection and supports the instructional and research activities of all programs. The engineering collections can be found using the Library of Congress classification scheme.

Reference is available, in person or via phone at 394-2419, Monday through Friday 8:00 am to 5:00 pm. Reference is also available through instant message and email. Reference resources can be accessed online at <<http://library.sdsmt.edu/contact.htm>>.

General information databases are available through the South Dakota Library Network (see <<http://www.sdl.net>>) and from vendors such as EbscoHost, InfoTrac and ProQuest. Research databases provided by the Devereaux Library and accessible only on-campus cover a variety of disciplines. Titles such as: Engineering Village 2 (Engineering Index); SciFinder Scholar; Web of Knowledge; Scitation; Applied Science & Technology Full-Text, Knovel and GeoRef are all available.

Library hours during the academic year are as follows:

- Monday through Thursday 7:30 am - 12 midnight
- Friday 7:30 am - 5 pm
- Saturday 12 noon - 5 pm
- Sunday 12 noon - 12 midnight

Fewer hours of operation are observed during the summer and during breaks from classes. Access to all books and other library materials are available all the hours the library is open. The library seating capacity is 419.

Each department on campus has designated a library liaison to work with the library staff in determining the best materials for the department. Each liaison works with his/her department to determine how monies should be spent. The library maintains control of the budget and will purchase only those items that align with the mission of the school.

SDSM&T library makes every effort to provide for the needs of engineering students despite the escalating cost of journals and books. Keeping journal subscriptions current limits expansion of the book collection. Journal costs have forced some cancellations of titles in the last few years. Additions of online services through the Internet have helped address our limitations in the general education undergraduate areas. Items for engineering majors past the first two years of study are limited. Interlibrary loan is available and full-text databases help in some areas but is cost prohibitive in others.

Expenditures for books and periodicals for the past four years are detailed below.

	ACQUISITIONS DURING LAST THREE (3) YEARS		CURRENT COLLECTION RESOURCES	
	Books	Periodicals	Books	Periodicals
Entire Institutional Library	4625	12950	110,126	105753
In the following fields (included above)				
Engineering	247	0	20,012	672
Chemistry	1186	0	3425	77
Mathematics	0	0	2240	62
Physics	24	0	3266	139

	FY 2008	FY 2009	FY 2010	FY 2011 (estimated)
Total Library Current Funds	\$801,328	\$722,221	\$640,892	\$640,892
Expenditures for the Engineering Unit (Total) (ALL AREAS)	*	*	*	*
Books	\$29,240	\$28,863	\$25,000	\$
Periodicals	\$334,111	\$273,065	\$192,903	\$

The library has a very good collection of maps, most coming from the Library Program Service through the Federal Government. Devereaux Library is a selective depository library, and through this system we collect maps in geology and mining and topographic maps of South Dakota and Wyoming. Our microfiche collection consists mostly of government information and we have a microfilm collection of older journal titles. Audio, video, and DVD materials are limited. These items come under the book budget and more emphasis is placed on scholarly materials than recreational materials. Currently the Friends of the Devereaux Library is a group that raises funds for the library through an annual film series purchases movies and other non-educational materials.

The Career Center, Dr. Darrell Sawyer, Director

The Career Center informs, guides, and supports students as they plan their careers and search for full-time, summer and co-op opportunities. Placement services are offered to alumni free of charge. The Center assists students with their resumes, cover letters, interviewing skills and job searches through a series of workshops offered throughout the academic year. The Center also works with students on an individual basis. Professional development workshops are regularly sponsored with the aim of helping students develop their social networking, business etiquette, and cultural awareness skills. Career counseling and vocational interest inventories also are available to all students.

The Career Center coordinates scheduling of interviews for the 150+ employers that typically visit campus each year to recruit students for full-time, summer and co-op positions. Each September and February the Career Center hosts a South Dakota School of Mines Engineering and Science Career Fair. More than 150 employers from across the country participate in these events and recruit South Dakota School of Mines students in a wide range of disciplines. These career fairs provide students at all levels with opportunities to speak directly with employers and discuss career possibilities. On the day following the Fair, many industry representatives conduct interviews, speak to classes and student organizations, interact with faculty, and host evening seminars. The Career Center also tracks placement and starting salary data for new graduates and average wages for co-op/intern students. In addition, the Career Center manages an online job posting system to assist students and alumni in applying for jobs with employers that do not visit the campus.

SDSM&T's Cooperative Education (Co-op) Program is a partnership with business, industry and government agencies that is administered by the Career Center. Students may earn academic credit for their co-op experience with the approval of their department's Cooperative Education Coordinator who is responsible for assessing the student's performance and assigning the grade for the co-op credits earned. More than 75% of SDSM&T graduates have summer internship or co-op experience upon graduation.

Student Services and the STEPS Program

In 2006, the STEPS (Students Emerging as Professionals <<http://steps.sdsmt.edu/>>.) program was created to closely align Student Affairs programming with the achievement of key outcomes. As of the creation of this self-study, 1,083 students have taken the STEPS pre-assessment. The STEPS outcomes align with and support the ABET (a) through (k) as follows:

	STEPS Outcome	ABET Outcome supported by STEPS assessments and programming
1	Engage in lifelong learning	Outcome (i)
2	Apply technical understanding	Outcome (k)
3	Serve the community	Outcome (h)
4	Value a global perspective	Outcomes (h) and (j)
5	Lead and serve on teams	Outcome (d)
6	Communicate	Outcome (g)
7	Respect self and others	Outcome s(d) and (f)
8	Value diversity	Outcome (d) and (j)
9	Act with integrity	Outcome (f)

Student Affairs staff worked closely with engineering faculty members to identify the dimensions of student development that can be advanced and reinforced through co-curricular offerings and support services offered by student affairs.

All freshmen take an online assessment that introduces them to and measures their attainment of the nine STEPS outcomes. The assessment is an individualized developmental snapshot in time that the student

can access and compare to results of his or her reassessments. Students are encouraged to retake the assessment at key points in their academic career.

To reinforce and promote the attainment of the ten STEPS outcomes, students are given a calendar of events that cross references the STEPS outcome the event will reinforce. (See the “calendar” link at <http://steps.sdsmt.edu/>.) The goal is to remind students of the importance to their development as professionals of these outcomes, to give them opportunities to exercise and develop these outcomes, and to make clear how highly valued these outcomes are by all aspects of the campus community.

Also published by the STEPS program is information about resources germane to each outcome. For example, links to the National Society of Professional Engineers Code of Ethics and other professional ethical creeds are given to support the “Act with Integrity” outcome. For the “Lead and Serve on Teams” outcome, students are directed to the Leadership Development Team and its programming, to CAMP, to the All-Campus Leadership retreat, and other resources.

An online database of STEPS assessment results is provided to faculty so they can track the number and class level of students in the program who have taken the STEPS assessments. While most of the results are currently for freshmen and sophomores, within a few years, the engineering programs will have pre-test, formative-assessment, and post-test results for students as they develop during their academic careers at SDSM&T.

A folder detailing the STEPS program and efforts by Student Affairs to reinforce and advance the attainment of key ABET (a) through (k) outcomes will be available in the resource room at the time of the visit.

M. Faculty Workload

A nominal full load for a faculty member is formally defined under the Agreement with the Council on Higher Education. From faculty members whose primary responsibilities are instructional, an effort equivalent to that needed to deliver thirty credit hours of undergraduate instruction per academic year is expected. Faculty members whose primary responsibilities involve instruction will be assigned reasonable time (typically six credit hours of undergraduate instruction, or its equivalent, per academic year) to support active research, scholarship or creative artistic activity or active discipline-related professional service. From faculty members whose primary responsibilities are research, effort needed to maintain a research program recognized nationally for its excellence is expected. Faculty members whose primary responsibilities involve research or professional service are expected to engage in instructional activities consistent with their primary assignments.

While these vary between programs, typical teaching loads amongst engineering faculty members are two or three scheduled courses per semester plus independent study and project-guidance activity. If the faculty member is released for research, he or she is relieved for teaching duties proportionately. If the faculty member is involved in guiding a significant number of graduate students, teaching load is sometimes reduced. If a faculty member is involved in developing new courses, a teaching load reduction may be made. If he/she is involved in administration (such as being a department head), the teaching workload is proportionately reduced. Graduate teaching assistant support is used to provide assistance in laboratories and in grading.

Part-time faculty (adjuncts, part-time instructors, graduate teaching assistants, etc.) are supervised relative to competence in teaching, course conduct and availability to students, by their respective department

heads and the lead faculty to whom they are assigned. Typically, part-time instructors are used in the engineering programs to assist when a full-time faculty member is on sabbatical leave and often are retired professors or individuals from local industry with a long association with the institution. Graduate teaching assistants are most often used to assist with laboratories and only in exceptional circumstances do they have full responsibility for a course.

N. Tables

The requested tables follow.

Table D-1. Programs Offered by the Educational Unit

Program Title	Modes Offered				Nominal Years to Complete	Administrative Head	Administrative Unit or Units (e.g. Dept.) Exercising Budgetary Control	Submitted for Evaluation		Offered, Not Submitted for Evaluation	
	Day	Cooperative Education	Off Campus	Alternate Mode				Now Accredited.	Not Now Accredited	Now Accredited	Not Now Accredited
Chemical Engineering	X				4	Dr. Robb Winter	Office of the Provost	X			
Civil Engineering	X				4	Dr. Henry Mott	Office of the Provost	X			
Computer Engineering	X				4	Dr. Michael Batchelder	Office of the Provost	X			
Computer Science	X				4	Dr. Kyle Riley	Office of the Provost			X	
Electrical Engineering	X				4	Dr. Michael Batchelder	Office of the Provost	X			
Environmental Engineering	X				4	Dr. Henry Mott	Office of the Provost	X			
Geological Engineering	X				4	Dr. Maribeth Price	Office of the Provost	X			
Industrial Engineering and Engineering Management ¹	X				4	Dr. Stuart Kellogg	Office of the Provost	X			
Metallurgical Engineering	X				4	Dr. Jon Kellar	Office of the Provost	X			
Mechanical Engineering	X				4	Dr. Michael Langerman	Office of the Provost	X			
Mining Engineering	X				4	Mr. Shashi Kanth	Office of the Provost				X

¹ Industrial Engineering is currently accredited; submitted for initial accreditation during this cycle is the Engineering Management component of the program

Table D-2. Degrees Awarded and Transcript Designations for all Programs offered at SDSM&T

Program Title	Modes Offered				Name of Degree Awarded	Designation on Transcript
	Day	Co-op	Off Campus	Alt. Mode		
Atmospheric Sciences MS	X				Master of Science	Master of Science in Atmospheric Sciences
Atmospheric Sciences PhD	X				Doctor of Philosophy	Doctor of Philosophy in Atmospheric Sciences
Biomedical Engineering MS	X				Master of Science	Master of Science in Biomedical Engineering
Biomedical Engineering PhD	X				Doctor of Philosophy	Doctor of Philosophy in Biomedical Engineering
Chemical and Biological Engineering PhD	X				Doctor of Philosophy	Doctor of Philosophy in Chemical and Biological Engineering
Chemical Engineering BS	X				Bachelor of Science	Bachelor of Science in Chemical Engineering
Chemical Engineering MS	X				Master of Science	Master of Science in Chemical Engineering
Chemistry BS	X				Bachelor of Science	Bachelor of Science in Chemistry
Civil Engineering BS	X				Bachelor of Science	Bachelor of Science in Civil Engineering
Civil Engineering MS	X				Master of Science	Master of Science in Civil Engineering
Computer Engineering BS	X				Bachelor of Science	Bachelor of Science in Computer Engineering
Computer Science BS	X				Bachelor of Science	Bachelor of Science in Computer Science
Construction Management MS	X				Master of Science	Master of Science in Construction Management
Electrical Engineering BS	X				Bachelor of Science	Bachelor of Science in Electrical Engineering
Electrical Engineering MS	X				Master of Science	Master of Science in Electrical Engineering
Environmental Engineering BS	X				Bachelor of Science	Bachelor of Science in Environmental Engineering
Geological Engineering BS	X				Bachelor of Science	Bachelor of Science in Geological Engineering
Geology and Geological Engineering MS	X				Master of Science	Master of Science in Geology and Geological Engineering
Geology and Geological Engineering PhD	X				Doctor of Philosophy	Doctor of Philosophy in Geology and Geological Engineering
Geology BS	X				Bachelor of Science	Bachelor of Science in Geology
Industrial Engineering and Engineering Management BS	X				Bachelor of Science	Bachelor of Science in Industrial Engineering ¹
Interdisciplinary Sciences BS	X				Bachelor of Science	Bachelor of Science in Interdisciplinary Sciences ²
Materials Engineering and Science MS	X				Master of Science	Master of Science in Materials Engineering and Science
Materials Engineering and Science PhD	X				Doctor of Philosophy	Doctor of Philosophy in Materials Engineering and Science
Mathematics (Applied and Computational) BS	X				Bachelor of Science	Bachelor of Science in Mathematics (Applied and Computational)
Mechanical Engineering BS	X				Bachelor of Science	Bachelor of Science in Mechanical Engineering
Mechanical Engineering MS	X				Master of Science	Master of Science in Mechanical Engineering
Mechanical Engineering PhD	X				Doctor of Philosophy	Doctor of Philosophy in Mechanical Engineering
Metallurgical Engineering BS	X				Bachelor of Science	Bachelor of Science in Metallurgical Engineering
Mining Engineering BS	X				Bachelor of Science	Bachelor of Science in Mining Engineering
Nanoscience and Nanoengineering PhD	X				Doctor of Philosophy	Doctor of Philosophy in Nanoscience and Nanoengineering
Paleontology MS	X				Master of Science	Master of Science in Paleontology
Physics BS	X				Bachelor of Science	Bachelor of Science in Physics

Physics MS	X				Master of Science	Master of Science in Physics
Robotics and Intelligent Autonomous Systems MS	X				Master of Science	Master of Science in Robotics and Intelligent Autonomous Systems
Technology Management MS				X	Master of Science	Master of Science in Technology Management

¹ If program name change is approved for addition of the engineering management component, the designation on transcript will be as follows: “Bachelor of Science in Industrial Engineering and Engineering Management”

² Specializations, the Associate of Arts, and non-degree programs are not listed

Tables D-3. Support Expenditures

Support expenditure information is presented below by providing four tables for each program being reviewed:

1. Support expenditures, all sources, for the program
2. Institutional expenditures for the program
3. Foundation support for the program
4. Support for the program coming from external funding such as grants and contracts

Support expenditures for academic programs housed in tandem within a closely related program are reported for both programs in combination. This is the case for civil and environmental engineering, electrical and computer engineering, and geology and geological engineering.

Additionally, a single table aggregating all support expenditures for all eleven programs reviewed by ABET, Inc. for each of these three sources of support is provided.

Updated tables will be available in the resource room at the time of the visit. The updated tables will report actual FY10 expenditures, and the actual may be significantly higher than the “projected” for some programs because of the time lag involved in processing expenditure records in the Banner database from which the figures are extracted.

Individual programs will provide evaluators with details on support expenditures when needed.

Table D-3.1.1 Support Expenditures, All Sources, for Chemical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ 50,000.00
Computer Hardware	\$ 13,007.00	\$ 4,204.00	\$ 4,127.00
Computer Software	\$ 5,467.00	\$ 7,220.00	\$ 6,632.00
Contractual Services	\$ 207,785.00	\$ 45,266.00	\$ 30,138.00
Depreciation Expense	\$ 16,967.00	\$ 17,000.00	\$ 17,000.00
Other Expenses	\$ 1,165.00	\$ 2,181.00	\$ 1,360.00
Supplies and Materials	\$ 48,047.00	\$ 113,198.00	\$ 86,039.00
Travel, Conference, Registration, Meals	\$ 81,648.00	\$ 74,447.00	\$ 69,480.00
Equipment (Institutional Funds)	\$ 2,959.00	\$ 3,000.00	\$ 2,000.00
Equipment (Foundation/External / Grant Funding Only)			
Computer Equipment & Software	\$ -	\$ -	\$ -
Equipment	\$ 1,980.00	\$ -	\$ 50,000.00
Lab Equipment	\$ 185,638.00	\$ 69,828.00	\$ 123,561.00
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ 48,169.00	\$ 55,000.00	\$ 58,000.00
Part-Time Assistance	\$ 1,200.00	\$ 12,000.00	\$ 12,000.00
Faculty Salaries	\$ 710,742.00	\$ 684,687.00	\$ 701,398.00
TOTALS	\$ 1,324,774.00	\$ 1,088,031.00	\$ 1,211,735.00

Table D-3.1.2, Institutional Expenditures for Chemical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ 7,580	\$ 4,000	\$ 4,000
Computer Software	\$ 2,585	\$ 3,000	\$ 4,000
Contractual Services	\$ 16,778	\$ 21,000	\$ 15,000
Depreciation Expense	\$ 16,967	\$ 17,000	\$ 17,000
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 20,922	\$ 32,000	\$ 31,000
Travel	\$ 18,149	\$ 22,000	\$ 23,000
Equipment (Institutional Funds)	\$ 2,959	\$ 3,000	\$ 2,000
Graduate Teaching Assistants	\$ 48,169	\$ 55,000	\$ 58,000
Part-Time Assistance	\$ 1,200	\$ 12,000	\$ 12,000
Faculty Salaries	\$ 588,902	\$ 551,000	\$ 558,000
	\$ 724,212	\$ 720,000	\$ 724,000

Table D-3.1.3, Foundation Support for Chemical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ 50,000
Computer Hardware	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -
Contractual Services	\$ -	\$ -	\$ -
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 7,229	\$ 9,000	\$ 10,000
Travel, Conference, Registration, Meals	\$ 9,062	\$ 10,000	\$ 10,000
Equipment (Institutional Funds)	\$ -	\$ -	\$ -
Computer Equipment & Software	\$ -	\$ -	\$ -
Equipment	\$ -	\$ -	\$ 50,000
Lab Equipment	\$ 980	\$ -	\$ 80,000 ²
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ -	\$ -	\$ -
Part-Time Assistance	\$ -	\$ -	\$ -
Faculty Salaries	\$ -	\$ -	\$ -
	\$ 17,271	\$ 19,000	\$ 200,000

Table D-3.1.4, Externally Funded Grants and Contracts for Chemical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ 5,427	\$ 204	\$ 127
Computer Software	\$ 2,882	\$ 4,220	\$ 2,632
Contractual Services	\$ 191,007	\$ 24,266	\$ 15,138
Depreciation Expense	\$ -		
Other Expenses	\$ 1,165	\$ 2,181	\$ 1,360
Supplies and Materials	\$ 19,896	\$ 72,198	\$ 45,039
Travel, Conference, Registration, Meals	\$ 54,437	\$ 42,447	\$ 36,480
Equipment (External/Grant Funding Only)			
Computer Equipment	\$ -		
Equipment	\$ 1,980		
Lab Equipment	\$ 184,658	\$ 69,828	\$ 43,561
Office Furniture	\$ -		

² The new addition to the Chemistry and Chemical Engineering Building will be completed in 2011 and private funds have been raised to outfit the new laboratories.

Graduate Teaching Assistants	\$ -		
Part-Time Assistance	\$ -		
Faculty Salaries	\$ 121,840	\$133,687	\$143,398
	\$ 583,292	\$304,031	\$189,662

Table D-3.2.1 Support Expenditures, All Sources, for Civil and Environmental Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ 15,000.00	\$ -
Computer Hardware	\$ 10,536.00	\$ 5,142.00	\$ 5,093.00
Computer Software	\$ 13,849.00	\$ 20,299.00	\$ 15,362.00
Contractual Services	\$ 138,513.00	\$ 72,044.00	\$ 47,751.00
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ 1,660.00	\$ -	\$ -
Supplies and Materials	\$ 71,245.00	\$ 58,833.00	\$ 44,429.00
Travel, Conference, Registration, Meals	\$ 82,141.00	\$ 53,799.00	\$ 47,661.00
Equipment (Institutional Funds)	\$ 11,236.00	\$ 6,000.00	\$ 5,000.00
Equipment (Foundation/External / Grant Funding Only)			
Computer Equipment & Software	\$ 1,280.00	\$ 9,000.00	\$ 5,000.00
Equipment	\$ 34,164.00	\$ 50,000.00	\$ 30,000.00
Lab Equipment	\$ 34,793.00	\$ -	\$ -
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ 60,948.00	\$ 54,000.00	\$ 57,000.00
Part-Time Assistance	\$ 4,604.00	\$ 5,000.00	\$ 5,000.00
Faculty Salaries	\$ 980,867.00	\$ 1,188,484.00	\$ 1,209,608.00
TOTALS	\$ 1,445,836.00	\$ 1,537,601.00	\$ 1,471,904.00

Table D-3.2.2, Institutional Expenditures for Civil and Environmental Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ 10,536	\$ 5,000	\$ 5,000
Computer Software	\$ 8,708	\$ 3,000	\$ 4,000
Contractual Services	\$ 17,650	\$ 10,000	\$ 7,000
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ 1,660	\$ -	\$ -
Supplies and Materials	\$ 23,366	\$ 21,000	\$ 21,000
Travel	\$ 28,803	\$ 23,000	\$ 24,000

Equipment (Institutional Funds)	\$ 11,236	\$ 6,000	\$ 5,000
Graduate Teaching Assistants	\$ 60,948	\$ 54,000	\$ 57,000
Part-Time Assistance	\$ 4,604	\$ 5,000	\$ 5,000
Faculty Salaries	\$ 882,690	\$ 969,000	\$ 981,000
	\$ 1,050,200	\$ 1,096,000	\$ 1,109,000

Table D-3.2.3, Foundation Support for Civil and Environmental Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ 15,000	\$ -
Computer Hardware	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -
Contractual Services	\$ -	\$ -	\$ -
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 8,969	\$ 25,000	\$ 15,000
Travel, Conference, Registration, Meals	\$ 18,378	\$ 10,000	\$ 10,000
Equipment (Institutional Funds)	\$ -	\$ -	\$ -
Computer Equipment & Software	\$ 1,280	\$ 9,000	\$ 5,000
Equipment	\$ 34,164	\$ 50,000	\$ 30,000
Lab Equipment	\$ 3,011	\$ -	\$ -
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ -	\$ -	\$ -
Part-Time Assistance	\$ -	\$ -	\$ -
Faculty Salaries	\$ -	\$ 100,000	\$ 100,000
	\$ 65,802	\$ 209,000	\$ 160,000

Table D-3.2.4, Externally Funded Grants and Contracts for Civil and Environmental Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ -	\$ 142.00	\$ 93.00
Computer Software	\$ 5,141	\$ 17,299.00	\$ 11,362.00
Contractual Services	\$ 120,863	\$ 62,044.00	\$ 40,751.00
Depreciation Expense	\$ -		
Other Expenses	\$ -		
Supplies and Materials	\$ 38,910	\$ 12,833.00	\$ 8,429.00
Travel, Conference, Registration, Meals	\$ 34,960	\$ 20,799.00	\$ 13,661.00
Equipment (External / Grant Funding Only)			
Computer Equipment	\$ -		
Equipment	\$ -		
Lab Equipment	\$ 31,782		
Office Furniture	\$ -		
Graduate Teaching Assistants	\$ -		
Part-Time Assistance	\$ -		
Faculty Salaries	\$ 98,177	\$ 119,484.00	\$ 128,608.00

	\$ 329,833	\$ 232,601.00	\$ 202,904.00
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Table D-3.3.1 Support Expenditures, All Sources, for Electrical and Computer Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ 7,819.00	\$ 4,080.00	\$ 4,007.00
Computer Software	\$ 4,589.00	\$ 4,130.00	\$ 6,011.00
Contractual Services	\$ 8,848.00	\$ 114,921.00	\$ 19,278.00
Depreciation Expense	\$ 1,886.00	\$ 2,000.00	\$ 2,000.00
Other Expenses	\$ -	\$ 115.00	\$ 10.00
Supplies and Materials	\$ 35,707.00	\$ 34,372.00	\$ 37,701.00
Travel, Conference, Registration, Meals	\$ 24,791.00	\$ 35,683.00	\$ 34,149.00
Equipment (Institutional Funds)	\$ 4,225.00	\$ 18,000.00	\$ 14,000.00
Equipment (Foundation/External / Grant Funding Only)			
Computer Equipment & Software	\$ 21,050.00	\$ 16,900.00	\$ 20,000.00
Equipment	\$ 18.00	\$ -	\$ -
Lab Equipment	\$ 8,402.00	\$ -	\$ 20,000.00
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ 55,890.00	\$ 49,000.00	\$ 52,000.00
Part-Time Assistance	\$ 32,658.00	\$ 23,000.00	\$ 24,000.00
Faculty Salaries	\$ 705,182.00	\$ 676,474.00	\$ 698,299.00
TOTALS	\$ 911,065.00	\$ 978,675.00	\$ 931,455.00

Table D-3.3.2, Institutional Expenditures for Electrical and Computer Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ 7,819	\$ 4,000	\$ 4,000
Computer Software	\$ 4,589	\$ 4,000	\$ 6,000
Contractual Services	\$ 8,848	\$ 16,000	\$ 11,000
Depreciation Expense	\$ 1,886	\$ 2,000	\$ 2,000
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 20,212	\$ 22,000	\$ 22,000
Travel	\$ 4,983	\$ 2,000	\$ 2,000
Equipment (Institutional Funds)	\$ 4,225	\$ 18,000	\$ 14,000
Graduate Teaching Assistants	\$ 55,890	\$ 49,000	\$ 52,000
Part-Time Assistance	\$ 25,695	\$ 23,000	\$ 23,000
Faculty Salaries	\$ 611,500	\$ 569,000	\$ 576,000
	\$ 745,646	\$ 709,000	\$ 712,000

Table D-3.3.3, Foundation Support for Electrical and Computer Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -
Contractual Services	\$ -	\$ -	\$ -
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 14,117	\$ 4,000	\$ 15,000
Travel, Conference, Registration, Meals	\$ 14,600	\$ 8,000	\$ 10,000
Equipment (Institutional Funds)	\$ -	\$ -	\$ -
Computer Equipment & Software	\$ 21,050	\$ 16,900	\$ 20,000
Equipment	\$ 18	\$ -	\$ -
Lab Equipment	\$ 7,848	\$ -	\$ 20,000
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ -	\$ -	\$ -
Part-Time Assistance	\$ 6,963	\$ -	\$ 1,000
Faculty Salaries	\$ 82,309	\$ 80,000	\$ 80,000
	\$ 146,904	\$ 108,900	\$ 146,000

Table D-3.3.4, Externally Funded Grants and Contracts for Electrical and Computer Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements			
Computer Hardware		\$ 80.00	\$ 7.00
Computer Software		\$ 130.00	\$ 11.00
Contractual Services		\$ 98,921.00	\$ 8,278.00
Depreciation Expense			
Other Expenses		\$ 115.00	\$ 10.00
Supplies and Materials	\$ 1,378.00	\$ 8,372.00	\$ 701.00
Travel, Conference, Registration, Meals	\$ 5,208.00	\$ 25,683.00	\$ 22,149.00
Equipment (External / Grant Funding Only)			
Computer Equipment			
Equipment			
Lab Equipment	\$ 554.00		
Office Furniture			
Graduate Teaching Assistants			

Part-Time Assistance			
Faculty Salaries	\$ 11,373.00	\$ 27,474.00	\$ 42,299.00
	\$ 18,513.00	\$ 160,775.00	\$ 73,455.00

Table D-3.4.1 Support Expenditures, All Sources, for Geology and Geological Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ 16,971.00	\$ 55,570.00	\$ 50,471.00
Computer Software	\$ 26,463.00	\$ 15,000.00	\$ 21,000.00
Contractual Services	\$ 1,189.00	\$ 103,727.00	\$ 74,428.00
Depreciation Expense	\$ 9,583.00	\$ 10,000.00	\$ 10,000.00
Other Expenses	\$ 155.00	\$ -	\$ -
Supplies and Materials	\$ 29,268.00	\$ 15,000.00	\$ 15,000.00
Travel, Conference, Registration, Meals	\$ 63,468.00	\$ 61,257.00	\$ 65,097.00
Equipment (Institutional Funds)	\$ 3,596.00	\$ 27,000.00	\$ 21,000.00
Equipment (Foundation/External / Grant Funding Only)			
Computer Equipment & Software	\$ 1,017.00	\$ -	\$ -
Equipment	\$ 155.00	\$ -	\$ -
Lab Equipment	\$ -	\$ 41,031.00	\$ 33,910.00
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ 53,467.00	\$ 54,000.00	\$ 57,000.00
Part-Time Assistance	\$ 176.00	\$ -	\$ -
Faculty Salaries	\$ 715,186.00	\$ 727,710.00	\$ 740,033.00
TOTALS	\$ 920,694.00	\$ 1,110,295.00	\$ 1,087,939.00

Table D-3.4.2, Institutional Expenditures for Geology and Geological Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ 16,711	\$ 55,000	\$ 50,000
Computer Software	\$ 26,463	\$ 15,000	\$ 21,000
Contractual Services	\$ (2,470)	\$ 102,000	\$ 73,000
Depreciation Expense	\$ 9,583	\$ 10,000	\$ 10,000
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 17,158	\$ 13,000	\$ 13,000
Travel	\$ 12,669	\$ 16,000	\$ 17,000
Equipment (Institutional Funds)	\$ 3,596	\$ 27,000	\$ 21,000
Graduate Teaching Assistants	\$ 53,467	\$ 54,000	\$ 57,000
Part-Time Assistance	\$ 176	\$ -	\$ -
Faculty Salaries	\$ 685,459	\$ 695,000	\$ 703,000
	\$ 822,812	\$ 987,000	\$ 965,000

Table D-3.4.3, Foundation Support for Geology and Geological Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -
Contractual Services	\$ -	\$ -	\$ -
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 7,141	\$ 2,000	\$ 2,000
Travel, Conference, Registration, Meals	\$ 13,217	\$ 4,000	\$ 4,000
Equipment (Institutional Funds)	\$ -	\$ -	\$ -
Computer Equipment & Software	\$ 1,017	\$ -	\$ -
Equipment	\$ -	\$ -	\$ -
Lab Equipment	\$ -	\$ -	\$ -
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ -	\$ -	\$ -
Part-Time Assistance	\$ -	\$ -	\$ -
Faculty Salaries	\$ -	\$ -	\$ -
	\$ 21,376	\$ 6,000	\$ 6,000

Table D-3.4.4, Externally Funded Grants and Contracts for Geology and Geological Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements			
Computer Hardware	\$ 260.00	\$ 570.00	\$ 471.00
Computer Software			
Contractual Services	\$ 3,659.00	\$ 1,727.00	\$ 1,428.00
Depreciation Expense			
Other Expenses	\$ 155.00		
Supplies and Materials	\$ 4,969.00		
Travel, Conference, Registration, Meals	\$ 37,582.00	\$ 41,257.00	\$ 44,097.00
Equipment (External / Grant Funding Only)			
Computer Equipment			
Equipment	\$ 155.00		
Lab Equipment		\$ 41,031.00	\$ 33,910.00
Office Furniture			
Graduate Teaching Assistants			

Part-Time Assistance			
Faculty Salaries	\$ 29,727.00	\$ 32,710.00	\$ 37,033.00
	\$ 76,507.00	\$ 117,295.00	\$ 116,939.00

Table D-3.5.1 Support Expenditures, All Sources, for Industrial Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ -	\$ 1,000.00	\$ 1,000.00
Computer Software	\$ 251.00	\$ -	\$ -
Contractual Services	\$ 2,462.00	\$ 6,020.00	\$ 3,569.00
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 12,117.00	\$ 19,159.00	\$ 18,740.00
Travel, Conference, Registration, Meals	\$ 41,953.00	\$ 27,541.00	\$ 29,818.00
Equipment (Institutional Funds)	\$ -	\$ 2,000.00	\$ 2,000.00
Equipment (Foundation/External / Grant Funding Only)			
Computer Equipment & Software	\$ 209.00	\$ -	\$ -
Equipment	\$ -	\$ -	\$ -
Lab Equipment	\$ -	\$ -	\$ -
Office Furniture	\$ 399.00	\$ -	\$ -
Graduate Teaching Assistants	\$ 9,094.00	\$ 6,000.00	\$ 6,000.00
Part-Time Assistance	\$ 2,839.00	\$ 1,000.00	\$ 1,000.00
Faculty Salaries	\$ 463,357.00	\$ 441,525.00	\$ 443,393.00
TOTALS	\$ 532,681.00	\$ 504,245.00	\$ 505,520.00

Table D-3.5.2, Institutional Expenditures for Industrial Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ -	\$ 1,000	\$ 1,000
Computer Software	\$ 251	\$ -	\$ -
Contractual Services	\$ 2,462	\$ 2,000	\$ 1,000
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 8,983	\$ 11,000	\$ 11,000
Travel	\$ 5,241	\$ 5,000	\$ 5,000
Equipment (Institutional Funds)	\$ -	\$ 2,000	\$ 2,000
Graduate Teaching Assistants	\$ 9,094	\$ 6,000	\$ 6,000
Part-Time Assistance	\$ 2,839	\$ 1,000	\$ 1,000

Faculty Salaries	\$ 427,637	\$ 395,000	\$ 400,000
	\$ 456,508	\$ 423,000	\$ 427,000

Table D-3.5.3, Foundation Support for Industrial Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -
Contractual Services	\$ -	\$ -	\$ -
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 2,625	\$ 7,000	\$ 7,000
Travel, Conference, Registration, Meals	\$ 27,461	\$ 15,000	\$ 15,000
Equipment (Institutional Funds)	\$ -	\$ -	\$ -
Computer Equipment & Software	\$ 209	\$ -	\$ -
Equipment	\$ -	\$ -	\$ -
Lab Equipment	\$ -	\$ -	\$ -
Office Furniture	\$ 399	\$ -	\$ -
Graduate Teaching Assistants	\$ -	\$ -	\$ -
Part-Time Assistance	\$ -	\$ -	\$ -
Faculty Salaries	\$ 23,231	\$ 24,000	\$ 24,000
	\$ 53,925	\$ 46,000	\$ 46,000

Table D-3.5.4, Externally Funded Grants and Contracts for Industrial Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements			
Computer Hardware			
Computer Software			
Contractual Services		\$ 4,020.00	\$ 2,569.00
Depreciation Expense			
Other Expenses			
Supplies and Materials	\$ 509.00	\$ 1,159.00	\$ 740.00
Travel, Conference, Registration, Meals	\$ 9,251.00	\$ 7,541.00	\$ 9,818.00
Equipment (External / Grant Funding Only)			
Computer Equipment			
Equipment			
Lab Equipment			
Office Furniture			
Graduate Teaching Assistants			
Part-Time Assistance			

Faculty Salaries	\$ 12,489.00	\$ 22,525.00	\$ 19,393.00
	\$ 22,249.00	\$ 35,245.00	\$ 32,520.00

Table D-3.6.1 Support Expenditures, All Sources, for Mechanical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ 500.00	\$ -
Computer Hardware	\$ 11,249.00	\$ 26,150.00	\$ 42,237.00
Computer Software	\$ 15,039.00	\$ 46,152.00	\$ 76,749.00
Contractual Services	\$ 106,293.00	\$ 59,559.00	\$ 93,387.00
Depreciation Expense	\$ 15,020.00	\$ 15,000.00	\$ 15,000.00
Other Expenses	\$ 61.00	\$ -	\$ -
Supplies and Materials	\$ 68,571.00	\$ 102,365.00	\$ 139,009.00
Travel, Conference, Registration, Meals	\$ 43,677.00	\$ 41,564.00	\$ 63,609.00
Equipment (Institutional Funds)	\$ 1,611.00	\$ 22,000.00	\$ 17,000.00
Equipment (Foundation/External / Grant Funding Only)			
Computer Equipment & Software	\$ 129.00	\$ 1,000.00	\$ 1,500.00
Equipment	\$ 417.00	\$ -	\$ 5,000.00
Lab Equipment	\$ 197,231.00	\$ 62,312.00	\$ 108,614.00
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ 18,704.00	\$ 8,000.00	\$ 8,000.00
Part-Time Assistance	\$ 3,844.00	\$ 5,000.00	\$ 5,000.00
Faculty Salaries	\$ 939,709.00	\$ 930,670.00	\$ 1,117,034.00
TOTALS	\$ 1,421,555.00	\$ 1,320,272.00	\$ 1,692,139.00

Table D-3.6.2, Institutional Expenditures for Mechanical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ 500	\$ -
Computer Hardware	\$ 5,228	\$ 3,000	\$ 3,000
Computer Software	\$ 7,331	\$ 5,000	\$ 7,000
Contractual Services	\$ (8,510)	\$ 8,000	\$ 6,000
Depreciation Expense	\$ 15,020	\$ 15,000	\$ 15,000
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 23,555	\$ 26,000	\$ 25,000
Travel	\$ 4,483	\$ 6,000	\$ 6,000
Equipment (Institutional Funds)	\$ 1,611	\$ 22,000	\$ 17,000
Graduate Teaching Assistants	\$ 18,704	\$ 8,000	\$ 8,000
Part-Time Assistance	\$ 3,844	\$ 5,000	\$ 5,000
Faculty Salaries	\$ 755,382	\$ 733,000	\$ 742,000
	\$ 826,648	\$ 831,500	\$ 834,000

Table D-3.6.3, Foundation Support for Mechanical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -
Contractual Services	\$ -	\$ -	\$ -
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 3,163	\$ 15,000	\$ 10,000
Travel, Conference, Registration, Meals	\$ 9,187	\$ 6,000	\$ 7,500
Equipment (Institutional Funds)	\$ -	\$ -	\$ -
Computer Equipment & Software	\$ 129	\$ 1,000	\$ 1,500
Equipment	\$ -	\$ -	\$ 5,000
Lab Equipment	\$ 2,701	\$ -	\$ 3,000
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ -	\$ -	\$ -
Part-Time Assistance	\$ -	\$ -	\$ -
Faculty Salaries	\$ -	\$ -	\$ 40,000
	\$ 15,180	\$ 22,000	\$ 67,000

Table D-3.6.4, Externally Funded Grants and Contracts for Mechanical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements			
Computer Hardware	\$ 6,021.00	\$ 23,150.00	\$ 39,237.00
Computer Software	\$ 7,708.00	\$ 41,152.00	\$ 69,749.00
Contractual Services	\$ 114,803.00	\$ 51,559.00	\$ 87,387.00
Depreciation Expense			
Other Expenses	\$ 61.00		
Supplies and Materials	\$ 41,853.00	\$ 61,365.00	\$ 104,009.00
Travel, Conference, Registration, Meals	\$ 30,007.00	\$ 29,564.00	\$ 50,109.00
Equipment (External / Grant Funding Only)			
Computer Equipment			
Equipment	\$ 417.00		
Lab Equipment	\$ 194,530.00	\$ 62,312.00	\$ 105,614.00
Office Furniture			
Graduate Teaching Assistants			
Part-Time Assistance			

Faculty Salaries	\$ 184,327.00	\$ 197,670.00	\$ 335,034.00
	\$ 579,727.00	\$ 466,772.00	\$ 791,139.00

Table D-3.7.1 Support Expenditures, All Sources, for Metallurgical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ 10,080.00	\$ 97,102.00	\$ 117,047.00
Computer Software	\$ 7,640.00	\$ -	\$ -
Contractual Services	\$ 69,027.00	\$ 77,021.00	\$ 92,050.00
Depreciation Expense	\$ 11,532.00	\$ 12,000.00	\$ 12,000.00
Other Expenses	\$ 384.00	\$ -	\$ -
Supplies and Materials	\$ 84,254.00	\$ 63,473.00	\$ 77,103.00
Travel, Conference, Registration, Meals	\$ 70,528.00	\$ 65,135.00	\$ 74,341.00
Equipment (Institutional Funds)	\$ 18,786.00	\$ -	\$ -
Equipment (Foundation/External / Grant Funding Only)			
Computer Equipment & Software	\$ 110.00	\$ 200.00	\$ 200.00
Equipment	\$ -	\$ -	\$ -
Lab Equipment	\$ 36,480.00	\$ 206,444.00	\$ 251,149.00
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ 10,516.00	\$ 5,000.00	\$ 5,000.00
Part-Time Assistance	\$ 7,572.00	\$ 11,500.00	\$ 11,000.00
Faculty Salaries	\$ 648,596.00	\$ 635,952.00	\$ 746,402.00
TOTALS	\$ 975,505.00	\$ 1,173,827.00	\$ 1,386,292.00

Table D-3.7.2, Institutional Expenditures for Metallurgical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ 162	\$ 5,000	\$ 5,000
Computer Software	\$ 3,680	\$ -	\$ -
Contractual Services	\$ 14,476	\$ 3,000	\$ 2,000
Depreciation Expense	\$ 11,532	\$ 12,000	\$ 12,000
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 12,198	\$ 13,000	\$ 13,000
Travel	\$ 4,230	\$ 2,000	\$ 2,000
Equipment (Institutional Funds)	\$ 18,786	\$ -	\$ -
Graduate Teaching Assistants	\$ 10,516	\$ 5,000	\$ 5,000
Part-Time Assistance	\$ 4,670	\$ 8,000	\$ 8,000
Faculty Salaries	\$ 398,144	\$ 425,000	\$ 430,000
	\$ 478,394	\$ 473,000	\$ 477,000

Table D-3.7.3, Foundation Support for Metallurgical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -
Contractual Services	\$ -	\$ -	\$ -
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 15,953	\$ 6,000	\$ 10,000
Travel, Conference, Registration, Meals	\$ 14,974	\$ 16,000	\$ 15,000
Equipment (Institutional Funds)	\$ -	\$ -	\$ -
Computer Equipment & Software	\$ 110	\$ 200	\$ 200
Equipment	\$ -	\$ -	\$ -
Lab Equipment	\$ 521	\$ -	\$ -
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ -	\$ -	\$ -
Part-Time Assistance	\$ 2,902	\$ 3,500	\$ 3,000
Faculty Salaries	\$ 151	\$ 600	\$ 500
	\$ 34,610	\$ 26,300	\$ 28,700

Table D-3.7.4, Externally Funded Grants and Contracts for Metallurgical Engineering

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements			
Computer Hardware	\$ 9,918.00	\$ 92,102.00	\$ 112,047.00
Computer Software	\$ 3,960.00		
Contractual Services	\$ 54,551.00	\$ 74,021.00	\$ 90,050.00
Depreciation Expense			
Other Expenses	\$ 384.00		
Supplies and Materials	\$ 56,103.00	\$ 44,473.00	\$ 54,103.00
Travel, Conference, Registration, Meals	\$ 51,324.00	\$ 47,135.00	\$ 57,341.00
Equipment (External / Grant Funding Only)			
Computer Equipment			
Equipment			
Lab Equipment	\$ 35,959.00	\$ 206,444.00	\$ 251,149.00
Office Furniture			
Graduate Teaching Assistants			
Part-Time Assistance			

Faculty Salaries	\$ 250,301.00	\$ 210,352.00	\$ 315,902.00
	\$ 462,500.00	\$ 674,527.00	\$ 880,592.00

Table D-3.8.1 Support Expenditures, All Sources, for all programs in the Educational Unit¹

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ 25,829.00	\$ 15,500.00	\$ 50,000.00
Computer Hardware	\$ 98,271.25	\$ 217,247.89	\$ 245,982.38
Computer Software	\$ 73,874.74	\$ 92,800.52	\$ 125,754.82
Contractual Services	\$ 554,502.56	\$ 487,556.70	\$ 366,599.99
Depreciation Expense	\$ 54,988.00	\$ 56,000.00	\$ 56,000.00
Other Expenses	\$ 3,425.11	\$ 2,295.66	\$ 1,369.90
Supplies and Materials	\$ 384,880.96	\$ 431,185.85	\$ 451,064.78
Travel, Conference, Registration, Meals	\$ 445,231.33	\$ 389,822.40	\$ 416,154.85
Equipment (Institutional Funds)	\$ 44,723.00	\$ 81,000.00	\$ 63,000.00
Equipment (Foundation/External / Grant Funding Only)			
Computer Equipment & Software	\$ 24,975.00	\$ 30,470.00	\$ 28,700.00
Equipment	\$ 36,733.19	\$ 56,000.00	\$ 91,000.00
Lab Equipment	\$ 462,792.65	\$ 379,615.33	\$ 537,233.27
Office Furniture	\$ 399.00	\$ -	\$ -
Graduate Teaching Assistants	\$ 272,289.00	\$ 249,000.00	\$ 262,000.00
Part-Time Assistance	\$ 82,279.00	\$ 75,500.00	\$ 76,000.00
Faculty Salaries	\$ 6,647,862.84	\$ 6,827,762.85	\$ 7,219,167.49
TOTALS	\$ 9,213,056.63	\$ 9,391,757.20	\$ 9,990,027.47

Table D-3.8.2, Institutional Expenditures for all programs in the Educational Unit¹

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ 500	\$ -
Computer Hardware	\$ 76,581	\$ 101,000	\$ 94,000
Computer Software	\$ 54,184	\$ 30,000	\$ 42,000
Contractual Services	\$ 69,621	\$ 171,000	\$ 121,000
Depreciation Expense	\$ 54,988	\$ 56,000	\$ 56,000
Other Expenses	\$ 1,660	\$ -	\$ -
Supplies and Materials	\$ 140,103	\$ 150,000	\$ 148,000
Travel	\$ 89,608	\$ 86,000	\$ 89,000
Equipment (Institutional Funds)	\$ 44,723	\$ 81,000	\$ 63,000
Graduate Teaching Assistants	\$ 272,289	\$ 249,000	\$ 262,000
Part-Time Assistance	\$ 66,989	\$ 70,000	\$ 70,000

Faculty Salaries	\$ 5,815,033	\$ 5,850,000	\$ 5,921,000
	\$ 6,685,778	\$ 6,844,500	\$ 6,866,000

¹ Programs included are as follows: chemical, civil, electrical, computer, environmental, geological, industrial, mechanical, metallurgical, and mining engineering and computer science

Table D-3.8.3, Foundation Support for all programs in the Educational Unit¹

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ 25,829	\$ 15,000	\$ 50,000
Computer Hardware	\$ -	\$ -	\$ -
Computer Software	\$ -	\$ -	\$ -
Contractual Services	\$ -	\$ -	\$ -
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ -	\$ -	\$ -
Supplies and Materials	\$ 78,126	\$ 75,000	\$ 83,000
Travel, Conference, Registration, Meals	\$ 132,855	\$ 87,800	\$ 90,500
Equipment (Institutional Funds)	\$ -	\$ -	\$ -
Computer Equipment & Software	\$ 24,975	\$ 30,470	\$ 28,700
Equipment	\$ 34,182	\$ 56,000	\$ 91,000
Lab Equipment	\$ 15,310	\$ -	\$ 103,000
Office Furniture	\$ 399	\$ -	\$ -
Graduate Teaching Assistants	\$ -	\$ -	\$ -
Part-Time Assistance	\$ 15,290	\$ 5,500	\$ 6,000
Faculty Salaries	\$ 105,692	\$ 209,600	\$ 249,500
	\$ 432,656	\$ 479,371	\$ 701,700

¹ Programs included are as follows: chemical, civil, electrical, computer, environmental, geological, industrial, mechanical, metallurgical, and mining engineering and computer science

Table D-3.8.4, Externally Funded Grants and Contracts for all programs in the Educational Unit¹

	FY09	FY10	FY11
	Actual	Projection	Projection
Operations (not including staff):			
Buildings and Improvements	\$ -	\$ -	\$ -
Computer Hardware	\$ 21,690.25	\$ 116,247.89	\$ 151,982.38
Computer Software	\$ 19,690.74	\$ 62,800.52	\$ 83,754.82
Contractual Services	\$ 484,881.56	\$ 316,556.70	\$ 245,599.99
Depreciation Expense	\$ -	\$ -	\$ -
Other Expenses	\$ 1,765.11	\$ 2,295.66	\$ 1,369.90
Supplies and Materials	\$ 166,651.96	\$ 206,185.85	\$ 220,064.78
Travel, Conference, Registration, Meals	\$ 222,768.33	\$ 216,022.40	\$ 236,654.85
Equipment (External / Grant Funding Only)			
Computer Equipment	\$ -	\$ -	\$ -
Equipment	\$ 2,551.19	\$ -	\$ -
Lab Equipment	\$ 447,482.65	\$ 379,615.33	\$ 434,233.27
Office Furniture	\$ -	\$ -	\$ -
Graduate Teaching Assistants	\$ -	\$ -	\$ -
Part-Time Assistance	\$ -	\$ -	\$ -
Faculty Salaries	\$ 727,137.84	\$ 768,162.85	\$ 1,048,667.49

	\$2,094,619.63	\$ 2,067,887.20	\$ 2,422,327.47
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¹ Programs included are as follows: chemical, civil, electrical, computer, environmental, geological, industrial, mechanical, metallurgical, and mining engineering and computer science

Tables D-4 Personnel and Students**Table D-4.1 Personnel and Students, all programs in the educational unit,¹ 2009**

	HEAD COUNT		FTE	RATIO TO FACULTY
	FT	PT		
Administrative ²	11	0	5.13	
Faculty (tenure-track) (Includes Tenure)	54	0	58.05	
Other Faculty (excluding student Assistants)	9	7	10.075	
Student Teaching Assistants	2	49	24.5925	0.361
Student Research Assistants	19	49	44.971	0.660
Technicians/Specialists ³	13	2	12.8	0.188
Office/Clerical Employees	7	2	8.206	0.120
Others				
Undergraduate Student enrollment	1280	102	1340.77	19.7 ⁴
Graduate Student enrollment	86	35	76.75	1.1 ⁴

¹ The "educational unit" is defined as the 11 programs reviewed and/or accredited by ABET, Inc. at SDSM&T. See Section G, Educational Unit, above for a listing

² The department chairs and academic directors are counted under the administrative headcount although they are also members of the teaching faculty. For this reason, the faculty FTE exceeds the faculty headcount.

³ Technicians/Specialists include - Technicians, Specialists, Research Scientists, Engineers and Coordinators.

⁴ Ratios are calculated using FTE of "faculty" plus "other faculty" as counted in rows two and three above

Table D-4.2 Personnel and Students, Chemical Engineering, 2009

	HEAD COUNT		FTE	RATIO TO FACULTY
	FT	PT		
Administrative *	1		0.5	
Faculty (tenure-track) (Includes Tenure)	8		8.5	
Other Faculty (excluding student Assistants)		2	0.835	
Student Teaching Assistants	1	8	2.554	0.274
Student Research Assistants	3	5	6.253	0.670
Technicians/Specialists **	3		3	0.321
Office/Clerical Employees	1		0.75	0.080
Others				
Undergraduate Student enrollment	126	7	133.93	14.3
Graduate Student enrollment	14	2	11.75	1.3

* The department chair is counted under the administrative headcount although he is also a member of the teaching faculty. For this reason, the faculty FTE exceeds the faculty headcount.

** Technicians/Specialists include - Technicians, Specialists and Research Scientists.

Table D-4.3 Personnel and Students, Civil and Environmental Engineering, 2009

	HEAD COUNT		FTE	RATIO TO FACULTY
	FT	PT		
Administrative *	1		0.3	
Faculty (tenure-track) (Includes Tenure)	9		9.7	
Other Faculty (excluding student Assistants)	2		2	
Student Teaching Assistants		13	5.4	0.462
Student Research Assistants	2	11	8.13	0.695
Technicians/Specialists	1	1	1.4	0.120
Office/Clerical Employees	1		1	0.085
Others				
Undergraduate Student enrollment	195	11	204.13	17.4 ¹
Graduate Student enrollment	26	6	22.33	1.9 ¹

* The department chair is counted under the administrative headcount although he/she is also a member of the teaching faculty. For this reason, the faculty FTE exceeds the faculty headcount.

¹ Ratios are calculated using FTE of "faculty" plus "other faculty" as counted in rows two and three above

Table D-4.4 Personnel and Students, Computer Engineering, 2009

	HEAD COUNT		FTE	RATIO TO FACULTY
	FT	PT		
Administrative *	1		0.3	
Faculty (tenure-track) (Includes Tenure)	9		9	
Other Faculty (excluding student Assistants)		1	0.1	
Student Teaching Assistants		3	1.5	0.165
Student Research Assistants		1	0.24	0.026
Technicians/Specialists				0.000
Office/Clerical Employees	1	1	1.29	0.142
Others				
Undergraduate Student enrollment	68	3	69.4	7.6
Graduate Student enrollment				

* The department chair is counted under the administrative headcount although he is also a member of the teaching faculty for mathematics. For this reason, the administrative FTE is lower than the administrative headcount.

Table D-4.5 Personnel and Students, Electrical Engineering, 2009

	HEAD COUNT		FTE	RATIO TO FACULTY
	FT	PT		
Administrative *	1		0.65	
Faculty (tenure-track) (Includes Tenure)	5		5.35	
Other Faculty (excluding student Assistants)		3	1.37	
Student Teaching Assistants	1	7	4.265	0.635
Student Research Assistants		1	0.921	0.137
Technicians/Specialists **	3		3	0.446
Office/Clerical Employees	1		0.75	0.112
Others				
Undergraduate Student enrollment	112	8	114.23	17.0
Graduate Student enrollment	9	4	8.17	1.2

* The department chair is counted under the administrative headcount although he is also a member of the teaching faculty. For this reason, the faculty FTE exceeds the faculty headcount. Department chair FTE also includes partial Center Director.

** Technicians/Specialists include - Specialists, Research Scientists and Engineers

Table D-4.6 Personnel and Students, Geological Engineering, 2009

	HEAD COUNT		FTE	RATIO TO FACULTY
	FT	PT		
Administrative *	2		0.8	
Faculty (tenure-track) (Includes Tenure)	5		5.7	
Other Faculty (excluding student Assistants)	2		2.5	
Student Teaching Assistants		9	4.284	0.522
Student Research Assistants		6	2.682	0.327
Technicians/Specialists **				
Office/Clerical Employees	1		0.833	0.102
Others				
Undergraduate Student enrollment	38	3	39.87	4.9 ¹
Graduate Student enrollment	16	4	13.83	1.7 ¹

¹ Ratios are calculated using FTE of "faculty" plus "other faculty" as counted in rows two and three above

* The department chair is counted under the administrative headcount although she is also a member of the teaching faculty. For this reason, the faculty FTE exceeds the faculty headcount.

Table D-4.7 Personnel and Students, Industrial Engineering, 2009

	HEAD COUNT		FTE	RATIO TO FACULTY
	FT	PT		
Administrative *	1		0.5	
Faculty (tenure-track) (Includes Tenure)	3.5		4.0	
Other Faculty (excluding student Assistants)		1	0.27	
Student Teaching Assistants		2	0.96	0.225
Student Research Assistants		1	0.059	0.013
Technicians/Specialists **		1	0.4	0.094
Office/Clerical Employees	1		0.833	0.195
Others				
Undergraduate Student enrollment	89	5	95.13	22.3
Graduate Student enrollment	1	20	7.7	1.8

* The department chair is counted under the administrative headcount although he is also a member of the teaching faculty. For this reason, the faculty FTE exceeds the faculty headcount.

** Technicians/Specialists include - Coordinators

Table D-4.8 Personnel and Students, Mechanical Engineering, 2009

	HEAD COUNT		FTE	RATIO TO FACULTY
	FT	PT		
Administrative *	2		0.7	
Faculty (tenure-track) (Includes Tenure)	8		9.3	
Other Faculty (excluding student Assistants)	3		3	
Student Teaching Assistants		4	2.094	0.170
Student Research Assistants	4	18	14.042	1.142
Technicians/Specialists **	3		3	0.244
Office/Clerical Employees	1		1	0.081
Others				
Undergraduate Student enrollment	363	33	378.77	30.8
Graduate Student enrollment	9	6	8.42	0.7

¹ Ratios are calculated using FTE of "faculty" plus "other faculty" as counted in rows two and three above

* The department chair and academic directors are counted under the administrative headcount although they are also members of the teaching faculty. For this reason, the faculty FTE exceeds the faculty headcount.

** Technicians/Specialists include - Technicians, Research Scientists and Engineers.

Table D-4.9 Personnel and Students, Metallurgical Engineering, 2009

	HEAD COUNT		FTE	RATIO TO FACULTY
	FT	PT		
Administrative *	1		0.5	
Faculty (tenure-track) (Includes Tenure)	4		4.5	
Other Faculty (excluding student Assistants)				
Student Teaching Assistants		3	1.416	0.315
Student Research Assistants	10	6	12.645	2.810
Technicians/Specialists **	2		2	0.444
Office/Clerical Employees		1	0.375	0.083
Others				
Undergraduate Student enrollment	74	4	78.1	17.4
Graduate Student enrollment	11	9	10.83	2.4

* The department chair is counted under the administrative headcount although he is also a member of the teaching faculty. For this reason, the faculty FTE exceeds the faculty headcount.

** Technicians/Specialists include - Specialists and Research Scientists

Table D-5.1 Program Enrollment and Degree Data for all Students and all Programs in the Educational Unit¹

Academic Year		Enrollment Year					Undergrad total	Degrees Conferred
		FR	SO	JR	SR	5th		Bachelor
Fall 2009	FT	425	261	228	348		1262 ²	
	PT	22	16	19	44		101	224
Fall 2008	FT	374	231	257	296		1158	
	PT	25	17	30	59		131	205
Fall 2007	FT	380	253	227	304		1164	
	PT	14	27	26	53		120	236
Fall 2006	FT	353	273	205	308		1139	
	PT	16	25	25	53		119	182
Fall 2005	FT	399	258	236	324		1217	
	PT	24	27	20	39		110	194
Fall 2004	FT	403	251	217	323		1194	
	PT	29	24	21	50		124	185

¹ Programs included are as follows: chemical, civil, electrical, computer, environmental, geological, industrial, mechanical, metallurgical, and mining engineering and computer science. The “educational unit” is defined as the 11 programs reviewed and/or accredited by ABET, Inc. at SDSM&T.

² 24 students with dual Engineering and Science programs are included in this figure

Table D-5.2 Program Enrollment Data: All Students, All Programs

	Year	Year	Year	Year	Year	Year
	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Full-time Students Summer	1	1	4	2	0	0
Full-time Students Fall	1540	1545	1372	1396	1389	1490
Full-time Students Spring	1405	1372	1264	1283	1255	1368
Part-time Students summer	374	417	427	315	313	351
Part-time Students Fall	393	331	368	316	317	359
Part-time Students Spring	367	393	347	333	384	424
Student FTE summer ²	102.3	116.9	124.6	83.5	85.6	91.9
Student FTE Fall ²	1687.4	1678.1	1541.4	1550.1	1543.9	1663.2
Student FTE Spring ²	1539.6	1543.0	1426.7	1434.9	1438.2	1574.3
Total BS Degrees						
	244	245	229	236	267	274

² FTE= "Full time equivalent" and this means 15 credit hours per term

Table D-5.3 Program Enrollment Data for Programs in the Educational Unit³

	Year	Year	Year	Year	Year	Year
	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010
Full-time Students Summer	0	1	2	0	0	0
Full-time Students Fall	1196	1220	1141	1164	1158	1262
Full-time Students Spring	1092	1093	1055	1070	1054	1137
Part-time Students summer	188	228	235	192	182	198
Part-time Students Fall	126	113	124	122	132	102
Part-time Students Spring	132	145	120	144	132	146
Student FTE summer ²	53.9	65.5	70.7	54.3	51.9	59.5
Student FTE Fall ²	1252.5	1268.2	1210.2	1239.5	1236.1	1323.5
Student FTE Spring ²	1150.0	1168.9	1125.4	1144.6	1131.1	1217.8
Degrees Awarded	185	194	182	177	205	224

² FTE= "Full time equivalent" and this means 15 credit hours per term

³ Programs included are as follows: chemical, civil, electrical, computer, environmental, geological, industrial, mechanical, metallurgical, and mining engineering and computer science. The "educational unit" is defined as the 11 programs reviewed and/or accredited by ABET, Inc. at SDSM&T.

Table D-5.4 Transfer Students for Past Six Academic Years: All Students

Term	Number of Transfer Students Enrolled
Fall 2009	92
Fall 2008	72
Fall 2007	100
Fall 2006	82
Fall 2005	110
Fall 2004	111

Table D-5.5 Transfer Students for Past Six Academic Years: All Programs in the Educational Unit¹

Term	Number of Transfer Students Enrolled
Fall 2009	68
Fall 2008	48
Fall 2007	68
Fall 2006	62
Fall 2005	70
Fall 2004	60

¹ Programs included are as follows: chemical, civil, electrical, computer, environmental, geological, industrial, mechanical, metallurgical, and mining engineering and computer science. The “educational unit” is defined as the 11 programs reviewed and/or accredited by ABET, Inc. at SDSM&T.

Table D-6.1 Faculty Salary Data for all programs in the educational unit¹

Academic Year 09-10

	Professor*	Associate Professor	Assistant Professor	Instructor**
Number	32	13	24	9
High	\$133,000	\$84,988	\$75,459	\$102,003
Mean	\$99,263	\$72,093	\$63,116	\$38,849
Low	\$79,401	\$58,000	\$33,306	\$5,900

¹ The “educational unit” is defined as the 11 programs reviewed and/or accredited by ABET, Inc. at SDSM&T. See Section G, Educational Unit, above for a listing

*Professor includes Department Chair with a 10 month salary converted to a 9 month salary

**Instructor includes part-time instructors and one Department Chair 10 month salary converted to a 9 month salary

Table D-6.2 Faculty Salary Data for Chemical Engineering

Academic Year 09-10

	Professor**	Associate Professor	Assistant Professor	Instructor*
Number	3	1	5	2
High	\$116,627	\$84,988	\$72,804	\$31,492
Mean	\$103,297		\$67,826	\$18,696
Low	\$83,225		\$56,230	\$5,900

*Instructor includes part-time instructors

**Professor includes Department Chair with a 10 month salary converted to a 9 month salary

Table D-6.3 Faculty Salary Data for Civil and Environmental Engineering

Academic Year 09-10

	Professor	Associate Professor	Assistant Professor	Instructor
Number	6	2	4	0
High	\$133,000	\$68,445	\$60,500	
Mean	\$100,504	\$67,828	\$57,033	
Low	\$87,185	\$67,210	\$49,155	

Table D-6.4 Faculty Salary Data for Computer Engineering

Academic Year 09-10

	Professor	Associate Professor	Assistant Professor	Instructor
Number	4	1	2	1

High	\$111,283	\$69,114	\$64,000	
Mean	\$100,336		\$66,000	
Low	\$88,649		\$13,358	

Table D-6.5 Faculty Salary Data for Electrical Engineering

Academic Year 09-10

	Professor**	Associate Professor	Assistant Professor	Instructor*
Number	2	1	3	3
High	\$114,388	\$81,000	\$75,459	\$56,808
Mean	\$112,112		\$72,114	\$40,439
Low	\$109,837		\$68,935	\$13,138

*Instructor includes part-time instructors

**Professor includes Department Chair and partial Center Director appointment

Table D-6.6 Faculty Salary Data for Geological Engineering

Academic Year 09-10

	Professor	Associate Professor	Assistant Professor	Instructor
Number	2	3	4	0
High	\$101,090	\$72,692	\$65,000	
Mean	\$90,246	\$72,225	\$54,066	
Low	\$79,401	\$71,983	\$33,306	

Table D-6.7 Faculty Salary Data for Industrial Engineering

Academic Year 09-10

	Professor*	Associate Professor	Assistant Professor	Instructor
Number	2	1	2	1
High	\$107,146	\$66,640	\$70,991	\$26,575
Mean	\$101,657		\$67,973	
Low	\$96,168		\$64,955	

*Professor includes Department Chair with a 10 month salary converted to a 9 month salary and one 12 month professor

Table D-6.8 Faculty Salary Data for Mechanical Engineering

Academic Year 09-10

	Professor*	Associate Professor	Assistant Professor	Instructor
Number	9	1	2	1
High	\$108,415	\$58,000	\$65,948	\$48,997

Mean	\$96,991		\$61,474	
Low	\$82,640		\$57,000	

*Professor includes Department Chair with a 10 month salary converted to a 9 month salary

Table D-6.9 Faculty Salary Data for Metallurgical Engineering

Academic Year 09-10

	Professor*	Associate Professor	Assistant Professor	Instructor
Number	2	2	1	0
High	\$104,656	\$79,430	\$69,022	
Mean	\$104,088	\$78,321		
Low	\$103,519	\$77,212		

*Professor includes Department Chair with a 10 month salary converted to a 9 month salary