



**SOUTH DAKOTA BOARD OF REGENTS  
ACADEMIC AFFAIRS FORMS**

**New Professional Program**

<b>UNIVERSITY:</b>	SDSU
<b>PROPOSED GRADUATE PROGRAM:</b>	Professional Program in Veterinary Medicine
<b>EXISTING OR NEW MAJOR(S):</b>	New
<b>DEGREE:</b>	No Degree <sup>1</sup>
<b>EXISTING OR NEW DEGREE(S):</b>	N/A
<b>INTENDED DATE OF IMPLEMENTATION:</b>	2021-2022 Academic Year
<b>PROPOSED CIP CODE:</b>	01.8001
<b>SPECIALIZATIONS:</b> <i>Note: If the new proposed program includes specific specializations within it, complete and submit a New Specialization Form for each proposed specialization and attach it to this form. Since specializations appear on transcripts, they require Board approval.</i>	N/A
<b>IS A SPECIALIZATION REQUIRED (Y/N):</b>	No
<b>DATE OF INTENT TO PLAN APPROVAL:</b>	N/A
<b>UNIVERSITY DEPARTMENT:</b>	Veterinary & Biomedical Sciences
<b>UNIVERSITY DIVISION:</b>	College of Agriculture, Food & Environmental Sciences

**Please check this box to confirm that:**

- The individual preparing this request has read [AAC Guideline 2:10](#), which pertains to new graduate degree program requests, and that this request meets the requirements outlined in the guidelines.
- This request will not be posted to the university website for review of the Academic Affairs Committee until it is approved by the Executive Director and Chief Academic Officer.

**University Approval**

*To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.*

5/6/2020

\_\_\_\_\_  
President of the University

\_\_\_\_\_  
Date

**1. What is the nature/purpose of the proposed program? Please include a brief (1-2 sentence) description of the academic field in this program.**

<sup>1</sup> Students will receive the DVM degree from University of Minnesota.

South Dakota State University (SDSU) requests authorization to offer a non-degree Professional Program in Veterinary Medicine, consisting of the first two years of coursework towards the Doctor of Veterinary Medicine (DVM) Degree. This new program stems from a collaboration between SDSU and the University of Minnesota-Twin Cities (UMN). Upon successful completion of the two-year professional program coursework at SDSU, students will transition to the College of Veterinary Medicine at UMN for the third and fourth years of the DVM program. The DVM Degree will be conferred by UMN.

The proposed collaboration between SDSU and UMN has sometimes been referred to as a “rural veterinary medicine program”, because it is intended to particularly appeal to students interested in food animal veterinary medicine and to serve the animal health needs of rural areas where livestock numbers far exceed those of companion animals. It has also been referred to a “2+2 veterinary medicine program”, because of the delivery format of two years at each institution.

The four-year DVM curriculum trains students specifically to practice veterinary medicine, though many will seek careers related to research, disease diagnosis, food safety, agro-safety/terrorism and regulatory oversight. Typically, the DVM degree is completed in four years at an accredited college of veterinary medicine. Students entering DVM programs usually have completed pre-veterinary undergraduate studies in related fields such as animal science or biology. This proposed collaborative program in rural veterinary medicine education would build a clear pathway from SDSU to careers in animal health for students in a way that is economically feasible for them.

## **2. How does the proposed program relate to the university’s mission and strategic plan, and to the current Board of Regents Strategic Plan 2014-2020?<sup>2</sup>**

The proposed Professional Program in Veterinary Medicine supports the mission of SDSU as provided in SDCL 13-58-1: *Designated as South Dakota’s land grant university, South Dakota State University, formerly the state college of agriculture and mechanical arts, shall be under the control of the Board of Regents and shall provide undergraduate and graduate programs of instruction in the liberal arts and sciences and professional education in agriculture, education, engineering, home economics, nursing and pharmacy, and other courses or programs as the Board of Regents may determine.*

The proposed program supports the goals stated in the South Dakota Board of Regents Strategic Plan 2014-2020:

### *Goal 1 – Student Success*

- Expand educational access.
- Increase the number of degrees awarded. (Note: Even though the students will not receive the DVM degree from SDSU, many of them are expected to complete an M.S. in Biological Sciences from SDSU).

### *Goal 2 – Academic Quality and Performance*

- Accreditation and Program Review. The proposed program will be subject to on-going review and meet accreditation standards of the American Veterinary Medical

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<sup>2</sup>South Dakota statutes regarding university mission are located in SDCL 13-57 through 13-60; Board of Regents policies regarding university mission are located in Board Policies 1:10:1 through 1:10:6. The Strategic Plan 2014-2020 is available from [https://www.sdbor.edu/the-board/agendaitems/Documents/2014/October/16\\_BOR1014.pdf](https://www.sdbor.edu/the-board/agendaitems/Documents/2014/October/16_BOR1014.pdf).

Association (AVMA) Council on Education that are consistent with the first two years of requirements for the DVM degree.

- Graduate programs. Most students in the proposed program are expected to simultaneously enroll in and complete the Biological Sciences (M.S.) – Veterinary Medicine Specialization at SDSU.

*Goal 3 – Research and Economic Development*

- STEM education.
- Workforce development. This program will address needs for food animal veterinarians, thus supporting animal health, food safety, and biosecurity needs of South Dakota’s large livestock industries.
- Students in this program will be trained in animal disease diagnostics and most are expected to directly participate in animal health research.

*Goal 4 – Affordability and Accountability*

- This program provides opportunity for reduced costs of veterinary school completion for a larger number of South Dakotans than is currently available.
- An anticipated separate request for a new specialization in the Animal Science B.S. degree would allow students to use up to 19 credits from the Professional Program in Veterinary Medicine to complete the B.S. in Animal Science, thus reducing total time and cost to attain both the B.S. (from SDSU) and DVM (from UMN) degrees.

The goals listed above closely align with goals and strategies of SDSU’s strategic plan *Imagine 2023: Aspire. Discover. Achieve.*<sup>3</sup>

**3. Describe the workforce demand for graduates of the program, including national demand and demand within South Dakota.**

The overall employment prospects for veterinarians is very good. According to the U.S. Bureau of Labor Statistics, the projected employment growth rate from 2018-2028 for employment of veterinarians is 18%, far exceeding the average for all occupations (5%).<sup>4</sup> The national average annual wage of veterinarians was \$105,240 and the national median wage was \$93,830. The 2018 average annual salary for veterinarians in South Dakota was \$100,050, exceeding that of all adjoining states.

South Dakota and the region need more veterinarians, especially those who work with large animals. Veterinarians who understand the animal health needs and are willing to serve rural areas and livestock production are needed in particular, along with those in administration, diagnostics, regulatory, public health and food safety careers. Among AVMA’s member veterinarians in the US in 2018, only 5601 described their practices as exclusively or predominantly large animal, whereas 57,034 described their practices as exclusively or predominantly companion animal.<sup>5</sup>

**4. How will the proposed program benefit students?**

This proposed collaborative program in rural veterinary medicine education will build a clear pathway from SDSU to careers in animal health for students in a way that is economically

<sup>3</sup> <https://www.sdstate.edu/imagine-2023-aspire-discover-achieve>

<sup>4</sup> Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Veterinarians, on the Internet at <https://www.bls.gov/ooh/healthcare/veterinarians.htm> (visited February 24, 2020).

<sup>5</sup> <https://www.avma.org/KB/Resources/Statistics/Pages/Market-research-statistics-AVMA-membership.aspx>

feasible for them. A larger number of South Dakotans will have the opportunity to complete a DVM degree at a lower cost than is currently available to those attending out-of-state colleges of veterinary medicine for four years. Students can further reduce total costs and time to complete both a B.S. degree and DVM degree by participating in a proposed new specialization in the Animal Science B.S. degree at SDSU, which would allow students to use coursework from the Professional Program in Veterinary Medicine towards the B.S. in Animal Science.

Students successfully completing the Professional Program in Veterinary Medicine at SDSU will seamlessly transition to the College of Veterinary Medicine at UMN where they will complete the third and fourth years of the curriculum required for the DVM degree. While at SDSU, students will receive value-added experiential training in food animal medicine, which will make these graduates especially competitive in the employment market for veterinarians serving the large livestock industries in South Dakota and the upper-plains region.

Most students in the Professional Program in Veterinary Medicine are expected to simultaneously complete the Veterinary Medicine Specialization of the M.S. in Biological Sciences at SDSU, which will give them valuable research experience and training. Research training will strengthen a veterinarian's diagnostic abilities and the additional credential will expand potential career opportunities related to animal health research and food safety.

## **5. Program Proposal Rationale:**

### **A. If a new degree is proposed, what is the rationale**

A new degree is not proposed. Students will receive the DVM degree from University of Minnesota.

### **B. What is the rationale for the curriculum?**

The curriculum aligns very closely with the first two years of the DVM curriculum at the UMN College of Veterinary Medicine. When combined with the subsequent curriculum of years three and four, which will be completed at UMN, the curriculum fully aligns with DVM student learning outcomes required as per accreditation standards established by the AVMA Council on Education.

### **C. Demonstrate/provide evidence that the curriculum is consistent with current national standards. Complete the tables below and explain any unusual aspects of the proposed curriculum?**

SDSU has been closely engaged with the UMN College of Veterinary Medicine during all phases of curriculum development. The proposed curriculum very closely aligns with that of the first two years of the DVM degree program at the University of Minnesota, including course names, descriptions, and student learning outcomes. SDSU and UMN representatives in this process are very aware of national standards and accreditation requirements set by the Council on Education of the American Veterinary Medical Association and are confident that the SDSU curriculum meets those standards.

**D. Summary of the degree program:**

<b>Professional Program in Veterinary Medicine</b>	<b>Credit Hours</b>	<b>Percent</b>
Required courses, all students	111	100%
Electives	0	0%
<b>Total Required for the Degree Total</b>	<b>111</b>	

**Required Courses**

<b>Prefix</b>	<b>Number</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>New (yes, no)</b>
VET	600	Jackrabbit Orientation and Leadership Experience I (JOALE)	2	yes
VET	601	Microscopic Anatomy I	2	yes
VET	602	Integrated Biochemistry and Physiology	7	yes
VET	603	Anatomy I	4	yes
VET	604	Clinical Skills I	2	yes
VET	605	Professional Development I	1	yes
VET	606	Critical Scientific Reading	1	yes
VET	607	Immunology	2	yes
		<b><i>First Semester Total</i></b>	<b>21</b>	
VET	620	Jackrabbit Orientation and Leadership Experience II (JOALE II)	2	yes
VET	621	Professional Development II	2	yes
VET	622	Anatomy II	3	yes
VET	623	Clinical Skills II	1	yes
VET	624	Physiology II	5	yes
VET	625	Basic Pathology	2	yes
VET	626	Agents of Disease I	4	yes
VET	627	Preventive Medicine	5	yes
VET	628	Microscopic Anatomy II	1	yes
VET	629	Clinical Correlations I	1	yes
VET	630	Veterinary Genetics and Genomics	1	yes
		<b><i>Second Semester Total</i></b>	<b>27</b>	
VET	640	Agents of Disease II	5	yes
VET	641	Pharmacology I	2	yes
VET	642	Systemic Pathology	5	yes
VET	643	Clinical Pathology I	3	yes
VET	644	Clinical Skills III	2	yes
VET	645	Clinical Epidemiology	2	yes
VET	646	Public Health	2	yes
VET	647	Small Animal Medicine I	2	yes
VET	648	Diagnostic Laboratory	2	yes
VET	649	Large Animal Medicine I	2	yes
VET	650	Professional Development III	1	yes
		<b><i>Third Semester Total</i></b>	<b>28</b>	
VET	660	Small Animal Medicine II	5	yes
VET	661	Small Animal Surgery I	3	yes
VET	662	Large Animal Surgery I	3	yes

<b>Prefix</b>	<b>Number</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>New (yes, no)</b>
VET	663	Veterinary Imaging I	4	yes
VET	664	Pharmacology II	2	yes
VET	665	Clinical Skills IV	2	yes
VET	666	Clinical Pathology II	3	yes
VET	667	Avian Core	2	yes
VET	668	Large Animal Medicine II	3	yes
VET	669	Dermatology	2	yes
VET	670	Clinical Correlations II	1	yes
VET	671	Thrive Through Life	5	yes
		<b><i>Fourth Semester Total</i></b>	<b>35</b>	
Subtotal			111	

## 6. Student Outcomes and Demonstration of Individual Achievement

### A. What specific knowledge and competencies, including technology competencies, will all students demonstrate before graduation?

<b>Individual Student Outcomes</b>	<b>Program Courses that Address the Outcomes</b>			
	<b>Year 1 Fall</b>	<b>Year 1 Spring</b>	<b>Year 2 Fall</b>	<b>Year 2 Spring</b>
Demonstrate understanding of central biological principles and mechanisms that underlie animal health and disease from the molecular to histologic to gross levels for individuals and populations.	VET601 VET602 VET603 VET607	VET622 VET624 VET627 VET628 VET629	VET641 VET643	VET663 VET664 VET666 VET667 VET669 VET670
Demonstrate knowledge of normal function and behavior, pathophysiology, clinical manifestations, diagnosis, treatment, and management or control of important domestic and foreign animal diseases.	VET603 VET604 VET607	VET622 VET623 VET625 VET626 VET627 VET629	VET640 VET641 VET642 VET643 VET644 VET645 VET646 VET647 VET649	VET660 VET661 VET662 VET663 VET664 VET665 VET666 VET667 VET668 VET669 VET670 VET 671
Perform basic technical and surgical procedures in a variety of species.	VET601 VET604	VET622 VET623	VET644 VET648	VET661 VET662 VET665
Demonstrate understanding of food safety, zoonotic disease, and public health issues.	VET604	VET621 VET623 VET627 VET629	VET644 VET646 VET648	VET665
Retrieve and integrate information from medical records and the veterinary literature.	VET606	VET629	VET650	VET670

Individual Student Outcomes	Program Courses that Address the Outcomes			
	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring
Demonstrate professional and ethical behavior and leadership toward their professional and non-professional colleagues and their clients.	VET600 VET603 VET605	VET622 VET626 VET627 VET629	VET650	VET670
Display ability and interest in lifelong learning.		VET621		
Provide adequate patient care, demonstrating ability and desire to minimize animal pain and suffering.	VET604	VET623	VET644	VET665
Demonstrate professional entry-level problem-solving ability and critical thinking skills.		VET629	VET640 VET643 VET647 VET649 VET650	VET660 VET661 VET662 VET666 VET668 VET670
Demonstrate a professional level of oral and written communication skills.	VET600 VET603 VET606	VET620 VET622 VET626 VET627 VET629	VET640 VET646 VET650	VET670
Demonstrate basic knowledge of business management and legal issues in veterinary medicine.	This outcome is covered primarily in Year 3 at UMN.			

**B. Are national instruments (i.e., examinations) available to measure individual student achievement in this field? If so, list them.**

No national instruments are available to measure individual student achievement of the first two years of the program. UMN and SDSU are working to devise appropriate progress measurement devices prior to transfer of SDSU students to the UMN College of Veterinary Medicine.

**C. How will individual students demonstrate mastery? Describe the specific examinations and/or processes used, including any external measures (including national exams, externally evaluated portfolios, or student activities, etc.). What are the consequences for students who do not demonstrate mastery?**

Student assessment will be based upon a combination of multiple factors.

1. Fact-based knowledge will be assessed through written tests and exams, in-class quizzes, and if appropriate oral examination. The University of Minnesota and SDSU will coordinate on test questions to ensure that similar material is being covered in appropriate detail between the two sites, although each school will set, administer, and grade their own examinations.
2. Practical skills will be assessed through oral tests and exams, as well as practical demonstration of the necessary clinical skills required to meet the standards of the University of Minnesota 3<sup>rd</sup> and 4<sup>th</sup> year curriculum, as well as National practical standards for training of veterinarians (established by the AVMA Committee on Education).

3. A joint UMN/SDSU outcomes assessment committee will be established to track student learning and success, and establish appropriateness of the training program at each institution. The UMN/SDSU outcomes assessment committee will verify preparedness of students to move between the schools based on overall student progress and completion of jointly prepared assessments that may include written and practical examinations, as appropriate to each course.

Students failing to meet standards will repeat courses as necessary or be encouraged to assess alternate degree choices for completion of the M.S. program (that does NOT lead to the 3<sup>rd</sup> year UMN program).

7. **What instructional approaches and technologies will instructors use to teach courses in the program?** *This refers to the instructional technologies and approaches used to teach courses and NOT the technology applications and approaches expected of students*

The courses outlined as required for the program represent a combination of didactic lecture delivery for basic science courses, practical laboratory courses (e.g. Anatomy, histology, Diagnostic Laboratory), and practical hands-on training (Anatomy, Clinical Skills, Professional Development). Course material will consist of commercially available textbooks, individualized course material produced by UMN and SDSU faculty, training videos, and hands-on practicum to establish clinical skills. Where appropriate, some course material (videos, recorded lectures) may be used for online delivery, although virtually all coursework will be considered on-campus delivery.

8. **Did the University engage any developmental consultants to assist with the development of the curriculum? Did the University consult any professional or accrediting associations during the development of the curriculum? What were the contributions of the consultants and associations to the development of curriculum?**

SDSU worked closely with the UMN College of Veterinary Medicine in developing the curriculum. SDSU has also been in contact with the AVMA Council on Education, which establishes learning outcomes and conducts reviews for accreditation. Students successfully completing the two-year program at SDSU will be equally well-prepared for years three and four of the DVM curriculum at UMN as students who complete the first two years at UMN.

9. **Are students enrolling in the program expected to be new to the university or redirected from other existing programs at the university? Complete the table below and explain the methodology used in developing the estimates?**

Estimates	Fiscal Years*			
	1 <sup>st</sup> FY 22	2 <sup>nd</sup> FY 23	3 <sup>rd</sup> FY 24	4 <sup>th</sup> FY 25
Students new to the university	12	12	12	12
Students from other university programs	8	8	8	8
Continuing students	0	20	20	20
=Total students in the program (fall)	20	40	40	40
Program credit hours (major courses)**	960	2240	2240	2240
Graduates from SDSU	0	0	0	0
Graduates from UMN	0	0	0	20



\*Do not include current fiscal year.

\*\*This is the total number of credit hours generated by students in the program in the required or elective program courses. Use the same numbers in Appendix B – Budget.

The PPVM is a 2-year program with an anticipated class size of approximately 20 students. There will be approximately 20 students admitted to the program each year and approximately 40 students in the two classes (First-Year and Second-Year) combined. Approximately 12 of the 20 students admitted each year are expected to be new to SDSU, while about 8 are expected to have been previously or currently enrolled at SDSU as undergraduates at the time of application submission.

Students will be required to take 48 first-year credits and 62 second-year credits. Thus, total credits delivered are expected to be  $20 \times 48 = 960$  in FY22 when there will be first-year students only. In FY23 and beyond, total credits delivered are expected to be  $(20 \times 48) + (20 \times 62) = 960 + 1240 = 2200$ .

The proposed PPVM provides coursework for the first two years only of a four-year DVM curriculum. Students completing the PPVM curriculum will transfer to the University of Minnesota to complete the DVM requirements, and the DVM degree will be awarded by the University of Minnesota. The PPVM itself is a non-degree program, so there will be no graduates. However, most of the PPVM students are expected to enroll simultaneously in the Veterinary Medicine Specialization of the Biological Sciences M.S. at SDSU and receive the M.S. degree upon completion of the two-year dual PPVM-MS curriculum.

**10. Is program accreditation available? If so, identify the accrediting organization and explain whether accreditation is required or optional, the resources required, and the University’s plans concerning the accreditation of this program.**

Yes, accreditation is required by and available through the Council on Education (COE) of the American Veterinary Medical Association: [Accreditation Policies and Procedures of the AVMA Council on Education](#). The AVMA-COE has already been made aware of SDSU’s intent to offer the proposed program in collaboration with UMN and to seek accreditation as appropriate.

**11. Does the University request any exceptions to any Board policy for this program? Explain any requests for exceptions to Board Policy. If not requesting any exceptions, enter “None.”**

None.

**12. Delivery Location**

*Note: The accreditation requirements of the Higher Learning Commission (HLC) require Board approval for a university to offer programs off-campus and through distance delivery.*

**A. Complete the following charts to indicate if the university seeks authorization to deliver the entire program on campus, at any off campus location (e.g., UC Sioux Falls, Capital University Center, Black Hills State University-Rapid City, etc.) or deliver the entire program through distance technology (e.g., as an online program)?**

	Yes/No	Intended Start Date
On campus	Yes	2021-2022 Academic Year

	Yes/No	If Yes, list location(s)	Intended Start Date
Off campus	No		

	Yes/No	If Yes, identify delivery methods <i>Delivery methods are defined in AAC Guideline 5.5.</i>	Intended Start Date
Distance Delivery (online/other distance delivery methods)	No		
Does another BOR institution already have authorization to offer the program online?	No	If yes, identify institutions:	

**B. Complete the following chart to indicate if the university seeks authorization to deliver more than 50% but less than 100% of the program through distance learning (e.g., as an online program)? This question responds to HLC definitions for distance delivery.**

	Yes/No	If Yes, identify delivery methods	Intended Start Date
Distance Delivery (online/other distance delivery methods)	No	NA	

The PPVM will be available through face-to-face delivery.

**13. Cost, Budget, and Resources: Explain the amount and source(s) of any one-time and continuing investments in personnel, professional development, release time, time redirected from other assignments, instructional technology & software, other operations and maintenance, facilities, etc., needed to implement the proposed major. Address off-campus or distance delivery separately. Complete Appendix B – Budget and briefly summarize to support Board staff analysis.**

The budget is based on the delivery of first-year and second-year courses that are required to meet accreditation standards for the DVM degree and on an anticipated enrollment of 20 students per class.

The total cost of attendance for up to six SD residents per class will be approximately the same as is currently the case for six SD residents per year attending Veterinary School at Iowa State University whose non-resident tuition differential is paid for by the state of SD. Residents of MN will pay the same amount at SDSU as do MN residents attending the UMN School of Veterinary Medicine. Residents of other states will pay approximately the same at SDSU as they would if attending the UMN Vet School.

**14. Board Policy 2:1 states: “Independent external consultants retained by the Board shall evaluate proposals for new graduate programs unless waived by the Executive Director.” Identify five potential consultants (including contact information and short 1-2 page**

**CVs) and provide to the System Chief Academic Officer (the list of potential consultants may be provided as an appendix). In addition, provide names and contact information (phone numbers, e-mail addresses, URLs, etc.) for accrediting bodies and/or journal editors who may be able to assist the Board staff with the identification of consultants.**

N/A. This is not a graduate program and it is a non-degree program. SDSU has worked very closely with the UMN College of Veterinary Medicine to ensure that the program will meet accreditation standards. The curriculum in this proposal is nearly identical to that of Year 1 and Year 2 of the DVM curriculum at UMN.

**15. Is the university requesting or intending to request permission for a new fee or to attach an existing fee to the program? *If yes, explain.***

Yes       No

*Explanation (if applicable):*

A new fee is needed to cover the additional costs associated with delivering a professional degree curriculum in accordance with the accreditation standards and student learning outcomes of the Council on Education of the American Veterinary Medical Association.

**16. New Course Approval: New courses required to implement the new graduate program may receive approval in conjunction with program approval or receive approval separately. Please check the appropriate statement:**

YES,

*the university is seeking approval of new courses related to the proposed program in conjunction with program approval. All New Course Request forms are included as Appendix C and match those described in section 5D.*

NO,

*the university is not seeking approval of all new courses related to the proposed program in conjunction with program approval; the institution will submit new course approval requests separately or at a later date in accordance with Academic Affairs Guidelines.*

**17. Additional Information:**

**Admissions Process**

Requirements and procedures for admitting students will closely follow those of the University of Minnesota DVM program:  
<https://vetmed.umn.edu/education/dvm/requirements>. Students will submit applications through the Veterinary Medical College Application Service of the Association of American Veterinary Medical Colleges: [AAVMC-VMCAS](#).

Following screening of initial applications sent through VMCAS, selected applicants will be invited to campus for a mandatory face-to-face “Behavioral Interview”. Following interviews, offers of admission will be extended to successful applicants, while a second tier of applicants may receive a wait-list offer. Applicants on the wait list may be extended offers

of admission as seats become available. Delayed admission deferments may be granted in cases of extenuating circumstances if approved by the Admissions Committee.

### **Admissions Requirements**

GRE: Required

TOEFL: Required score of 525 paper-based, 71 Internet-based

IELTS: 5.5

- An electronic application for admission must be submitted through VMCAS.
- Official copies of all transcripts must be sent directly to VMCAS.
- Three electronic Letters of Reference must be submitted as part of the VMCAS application on behalf of the applicant. It is strongly recommended that at least one letter is written by a DVM.
- The Graduate Record Exam (GRE) must be taken no more than 5 years prior to application submission, and scores must be sent directly to SDSU.
- Specific prerequisite coursework must be completed prior to enrollment. Prerequisite courses must be equivalent to the SDSU courses indicated in this planner: [Approved Preveterinary Coursework](#). Students from other universities will be directed to follow the comprehensive [area college prerequisite guides](#) developed by the University of Minnesota for a list of approved prerequisites.

**SDSU Professional Program in Veterinary Medicine**

**1. Assumptions**

		1st FY21	2nd FY22	3rd FY23	4th FY24
<i>Headcount &amp; hours from proposal</i>					
Fall headcount (see table in proposal)					
Program FY cr hrs, On-Campus		20	40	40	40
Program FY cr hrs, Off-Campus		960	2,220	2,220	2,220
		0	0	0	0
Faculty, Regular FTE	See p. 3	3.50	5.30	5.30	5.30
Faculty Salary & Benefits, average	See p. 3	\$101,370	\$101,370	\$101,370	\$101,370
Faculty, Adjunct - number of courses	See p. 3	0	0	0	0
Faculty, Adjunct - per course	See p. 3	\$1,000	\$1,000	\$1,000	\$1,000
Other FTE (see next page)	See p. 3	2.00	2.00	2.00	2.00
Other Salary & Benefits, average	See p. 3	\$97,262	\$97,262	\$97,262	\$97,262

**2. Budget**

<i>Salary &amp; Benefits</i>					
Faculty, Regular		\$354,795	\$537,261	\$537,261	\$537,261
Faculty, Adjunct (rate x number of courses)		\$0	\$0	\$0	\$0
Other FTE		\$274,524	\$274,524	\$274,524	\$274,524
S&B Subtotal		\$629,319	\$811,785	\$811,785	\$811,785
<i>Operating Expenses</i>					
Travel		\$45,000	\$50,000	\$50,000	\$50,000
Contractual Services		\$120,000	\$270,000	\$270,000	\$270,000
Supplies & materials		\$115,300	\$85,300	\$85,300	\$85,300
Capital equipment		\$40,000	\$15,000	\$15,000	\$15,000
OE Subtotal		\$320,300	\$420,300	\$420,300	\$420,300
<b>Total</b>		<b>\$949,619</b>	<b>\$1,232,085</b>	<b>\$1,232,085</b>	<b>\$1,232,085</b>

**3. Program Resources**

Off-campus support tuition/hr, HEFF net	UG	\$412.23	\$412.23	\$412.23	\$412.23
Off-campus tuition revenue	hrs x amt	\$0	\$0	\$0	\$0
On-campus support tuition/hr, HEFF net	UG	\$298.07	\$298.07	\$298.07	\$298.07
On-campus tuition revenue	hrs x amt	\$330,855	\$661,711	\$661,711	\$661,711
Program fee, per cr hr (if any)	\$198.62	\$220,468	\$440,936	\$440,936	\$440,936
Delivery fee, per cr hr (if any)	\$0.00	\$0	\$0	\$0	\$0
University redirections		\$325,000	\$0	\$0	\$0
Community/Employers		\$0	\$0	\$0	\$0
Grants/Donations/Other		\$75,000	\$150,000	\$150,000	\$150,000
<b>Total Resources</b>		<b>\$951,324</b>	<b>\$1,252,647</b>	<b>\$1,252,647</b>	<b>\$1,252,647</b>

**Resources Over (Under) Budget**

**\$1,705      \$20,562      \$20,562      \$20,562**

*Provide a summary of the program costs and resources in the new program proposal.*

**SDSU Professional Program in Veterinary Medicine**

Estimated Salary & Benefits per FTE		Faculty	Other
Estimated salary (average) - explain below		\$80,000	\$76,400
University's variable benefits rate	(see below)	0.1412	0.1412
Variable benefits		\$11,299	\$10,791
Health insurance/FTE, FY20		\$10,071	\$10,071
<i>Average S&amp;B</i>		\$101,370	\$97,262

Explain faculty used to develop the average salary & fiscal year salaries used. Enter amount above.

Faculty salaries at \$80,000 per FTE.

Explain adjunct faculty costs used in table:

Explain other [for example, CSA or exempt] salary & benefits. Enter amount above.

Estimated salary & Benefits for 12 month Director \$127,390, Coordinator \$67,134. The average does not include 4 Grad Students totaling \$80,000 which will not have benefits, however this amount is included in the Other FTE salaries.

Summarize the operating expenses shown in the table:

Operating expenses in the first year include the establishment of in-class required materials for coursework, as well as purchases for equipment and supplies. These include anesthesia equipment, anatomy supplies including cadavers and models, microscopes, and necessary multimedia teaching expenses. In addition, travel expenses to support the transportation of 20 students to the UMN Vet School week-long introductory experience, as well as travel support for required clinical experiential learning at clinical sites distant from Brookings (ie West River training facilities). Other expenses include library costs and contractual employment of clinical adjunct faculty to assist in these learning experiences which will include but are not limited to direct animal handling and procedural training to gain necessary knowledge, particularly in the "Clinical Skills" and "Clinical Correlations" courses and other indirect expenses. Travel and contractual costs will increase in future years with enrollment growth, while startup equipment and supplies costs should decrease after the first year.

Summarize resources available to support the new program (redirection, donations, grants, etc).

Resources will consist of tuition, program fees and pesticide fee revenue beyond what is used for scholarships (as approved in SB43). Start-up funds will be required and will come from the University and the College of Ag, Food, & Environmental Sciences, but other funds sources for start-up are also being pursued.

*State-support: Change cell on page 1 to use the UG or GR net amount.*

**SDSU Professional Program in Veterinary Medicine**

<b>Off-Campus Tuition, HEFF &amp; Net</b>	<b>FY20</b>		<b>Net</b>	
	<b>Rate</b>	<b>HEFF</b>		
Undergraduate	\$351.25	\$40.39	<b>\$310.86</b>	<i>Change cell on page 1 to point to your net</i>
Graduate	\$465.80	\$53.57	<b>\$412.23</b>	
Externally Supported	\$40.00			

*State-support: Change cell on page 1 to use the UG or GR net amount for your university.*

<b>On-Campus Tuition, HEFF &amp; Net</b>	<b>FY20</b>		<b>Net</b>	
	<b>Rate</b>	<b>HEFF</b>		
UG Resident - DSU, NSU	\$243.30	\$27.98	<b>\$215.32</b>	<i>Change cell on page 1 to point to your net</i>
UG Resident - SDSU, USD	\$248.35	\$28.56	<b>\$219.79</b>	
UG Resident - BHSU	\$254.20	\$29.23	<b>\$224.97</b>	<i>Change cell on page 1 to point to your net</i>
UG Resident - SDSMT	\$249.70	\$28.72	<b>\$220.98</b>	
GR Resident - DSU, NSU	\$319.40	\$36.73	<b>\$282.67</b>	<i>Change cell on page 1 to point to your net</i>
GR Resident - SDSU, USD	\$336.80	\$38.73	<b>\$298.07</b>	
GR Resident - BHSU	\$328.20	\$37.74	<b>\$290.46</b>	<i>Change cell on page 1 to point to your net</i>
GR Resident - SDSMT	\$324.85	\$37.36	<b>\$287.49</b>	
UG Nonresident - DSU, NSU	\$342.40	\$39.38	<b>\$303.02</b>	<i>Change cell on page 1 to point to your net</i>
UG Nonresident - BHSU	\$355.70	\$40.91	<b>\$314.79</b>	
UG Nonresident - SDSU, USD	\$360.50	\$41.46	<b>\$319.04</b>	<i>Change cell on page 1 to point to your net</i>
UG Nonresident - SDSMT	\$391.10	\$44.98	<b>\$346.12</b>	
GR Nonresident - DSU, NSU	\$596.30	\$68.57	<b>\$527.73</b>	<i>Change cell on page 1 to point to your net</i>
GR Nonresident - BHSU	\$612.40	\$70.43	<b>\$541.97</b>	
GR Nonresident - SDSU, USD	\$647.55	\$74.47	<b>\$573.08</b>	<i>Change cell on page 1 to point to your net</i>
GR Nonresident - SDSMT	\$652.00	\$74.98	<b>\$577.02</b>	
UG Sioux Falls Associate Degree	\$275.40	\$31.67	<b>\$243.73</b>	<i>Change cell on page 1 to point to your net</i>

**Variable Benefits Rates**

<b>University</b>	<b>FY20</b>	
BHSU	14.64%	<i>Change the benefits rate cell in the table on page 2 to point to the rate for your university.</i>
DSU	14.36%	
NSU	14.31%	
SDSM&T	14.20%	
SDSU	14.12%	
USD	14.34%	