
SOUTH DAKOTA BOARD OF REGENTS

to the South Dakota Department of Labor, the US Bureau of Labor Statistics, Regental system dashboards, etc.) Please cite any sources in a footnote.

There is a workforce need for graduates with a SM in Pharmaceutical Sciences both nationally and regionally. Employment projections indicate growth in demand for those trained in the medical sciences. The Bureau of Labor Statistics projects 8% job growth for 2018-2028, which is higher than average. The South Dakota Department of Labor and Regulations listed Chemical Manufacturing in their 2018 Workforce Report as the fastest

agriculture, education, engineering, home economics, nursing, and pharmacy, and other courses or programs as the Board of Regents may determine.

The proposed program aligns with the goals stated in the South Dakota Board of Regents Strategic Plan 2014-2020. In particular, goal 3—research and economic development will be supported by this program. The program will increase the number of graduates from STEM programs and contribute to the success of research and innovation in the pharmaceutical sciences.

In addition, the M.S. in Pharmaceutical Sciences aligns with the mission and strategic plan of South Dakota State University. Specifically, the program will feature student centered education and research that will contribute to the health of South Dakota, the region, the nation, and the world. The program will contribute to attainment of strategic goal 1 excellence through transformative education. This will be a distinct and highly academic program designed to meet student and market demands. It will also contribute to growth in research and scholarship of students and faculty (strategic goal 3).

5. Do any related programs exist at other public universities in South Dakota? If a related program already exists, explain the key differences between the existing programs and the proposed program, as well as the perceived need for adding the proposed new program. Would approval of the proposed new program create opportunities to collaborate with other South Dakota public universities? A list of existing system programs are available through the university websites and [The Reporting: Academic Reports Database](#). If there are no related programs within the Re

None

6. Do related programs exist at public colleges and universities in Minnesota, North Dakota, Montana, and/or Wyoming? If a related program exists, enter the name of the institution and the title of the program; if no relate . Add additional lines if there are more than two such programs in a state listed

This question addresses opportunities available through Minnesota Reciprocity and WICHE programs such as the Western Undergraduate Exchange and Western Regional Graduate Program in adjacent states. List only programs at the same degree level as the proposed program. For example, if the proposed program is a baccalaureate major, then list only related baccalaureate majors in the state and do not include associate or graduate programs.

Regional schools that offer a M.S. in Pharmaceutical Sciences include North Dakota State University, University of Nebraska Medical Center, Creighton University, and University of Montana. The Q L Y H U V L W \ R I 0 L Q Q H V R W D R I I H U V D P D V W H U \ V G the multidisciplinary pharmaceutical sciences.

	Institution	Program Title
<i>Minnesota</i>	University of Minnesota	M.S. in Pharmaceutics
<i>North Dakota</i>	North Dakota State University	M.S. in Pharmaceutical Sciences
<i>Montana</i>	University of Montana	M.S. in Pharmaceutical Science and Drug Des
<i>Wyoming</i>	None	

⁵ <https://www.sdstate.edu/images/2023aspire>

7.

	Development/ Startup	Long-term Operation
Ask Board to seek new State resources Note that requesting the Board to seek new State resources may require additional planning and is dependent upon the Board taking action to make the funding request part of their budget priorities. Universities intending to ask the Board for new State resources for a program should contact the Board office prior to submitting the intent to plan.	No	No
Ask Board to approve a new or increased student fee	No	No

Courses currently offered by the Department for the Ph.D. student in Pharmaceutical Sciences will be open for students in the M.S. program. The Pharmaceutical Sciences Department will continue to offer the existing rates as shown below. Graduate research assistants (GRAs) supported through grants are eligible for tuition remission. For GRAs, the tuition will be charged to the grant.

Resident	\$336.80/cr hr
Nonresident	\$647.55/cr. hr
Online Graduate	\$465.80/cr. hr
Delivery Fee (online graduate courses)	\$138.10/cr. hr

11. Curriculum Example: Provide (as Appendix A) the curriculum of a similar program at another college or university. The Appendix should include required and elective courses in the program. Catalog pages or web materials are acceptable for inclusion. Identify the college or university and explain why the selected program is a model for the program under development.

The curriculum for the M.S. in Pharmaceutical Sciences and Drug Design at the University of Montana can be found in Appendix A. This curriculum was selected because it is a general plan.

Appendix A

Curriculum Example: University of Montana – M.S. in Pharmaceutical Sciences and Drug Design

Additional information regarding the M.S. in Pharmaceutical Sciences and Drug Design may be found at: <http://health.umt.edu/biomed/graduate/medical-pharmaceutical-sciences/curriculum.php>

M.S. students are expected to complete degree training within two years. Degree requirements include:

Core Courses:

BMED 615 Molecular Pharmacology

BMED 621 Medicinal Chemistry I Drug Design, Development and Discovery

BMED 632 Advanced Pharmacokinetics