

Mayville State University

Plasmid Science *Certificate of Completion*

Personal Service

We pride ourselves on being just the right size to give students the time they need to be successful. Our average class size is 15, so you will have small, personalized class settings to receive the education that you deserve. Your professors will introduce you to new ways of thinking, explore issues creatively, and evaluate ideas as you engage in the world.

Opportunity

Whether it's music, athletics, or politics, students at MSU have the chance to participate in a variety of activities and clubs. These organizations are a great way to make new friends with similar interests, and the involvement outside the classroom looks great on a resume.

Some clubs and activities include:

- Theater
- Band & choir
- DECA
- Science Club
- Comet Radio
- Student government
- Intramural sports

Success

Our students get jobs. Period. We have internship opportunities to give you real, hands-on learning experiences and make your resume stand out.

Value

The combination of MSU's affordability and its unique offerings make it a Best in the Midwest College, as designated by the Princeton Review. This selection process is based on meeting criteria for academic excellence as well as results of surveys done by current MSU students.

In collaboration with a local biotechnology-based business, Mayville State University is providing students the opportunity to receive a certificate of completion (14 credits) in Plasmid Science. This certificate is intended to provide the student with the critical knowledge and the skill set necessary to begin a career in the biotechnology industry.

The Program

The curriculum for this certificate of completion is designed such that if candidates enter MSU having earned at least a "C" in the pre-requisite General Chemistry I course (CHEM 121/121L or equivalent), they can complete the coursework the following summer and enter the job market that fall. A job shadowing experience is built into one of the courses (BIOL 242 - Plasmid Science Methods I) so the students will gain an understanding of their role in the career field that they are pursuing. Further, the summer term capstone course is designed to provide the students in the cohort the opportunity to pool their knowledge and skill sets, as well as to work independently to provide an assigned biotechnology product as would be expected in the work setting.

Advantages

The certificate of completion route is attractive for students who are looking to get into the biotechnology field as soon as possible and currently less interested in obtaining a two-or four-year degree. Local biotechnology employers are seeking employees with the background of the critical course work, biotechnology knowledge, and the very specific skill set that this certificate of completion provides. The plasmid science certificate of completion may also be attractive to biology majors who have an interest in the biotechnology area as it provides them with a very marketable skill set that would be useful in the job market, as well as graduate or professional school.



Plasmid Science Certificate

Pre-Requisites

CHEM 121	General Chemistry.....	3 SH
CHEM 121L	General Chemistry Lab.....	1 SH

TOTAL CREDITS.....4 SH

Core Requirements

BIOL 242	Plasmid Science Methods I.....	2 SH
BIOL 243	Plasmid Science Methods II.....	3 SH
CHEM 122	General Chemistry II.....	3 SH
CHEM 122L	General Chemistry Lab.....	1 SH
CHEM 341	Organic Chemistry I.....	4 SH
SCNC 480	Science Comprehensive †.....	1 SH

† Formal acceptance is required

TOTAL CREDITS.....14 SH

Other Recommended Coursework

BIOL 150	General Biology I.....	3 SH
BIOL 150L	General Biology Lab.....	1 SH
CIS 112	Introduction to Word Processing.....	1 SH
CIS 114	Introduction to Spreadsheet Appl.....	1 SH
ENGL 110	College Composition I.....	3 SH
OR		
ENGL 125	Business & Technical Writing.....	3 SH
MATH 103	College Algebra.....	3 SH



Admission into Plasmid Science

Admission into the plasmid science certificate program requires students to carry a grade of a “C” or better in the pre-requisite CHEM 121/121L and all required courses. Once admitted, a grade of “C” or better in the required courses is necessary to maintain participation in the program.

Please Note: The plasmid science certificate is **NOT** eligible for financial aid, unless taken with other coursework necessary for a 4-year degree.



If you have any questions regarding this program,
please call 1.800.437.4104, ext. 34667
or visit www.MayvilleState.edu