



At Mayville State, you'll earn more than a degree. You'll earn an education.

## 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 with a technological focus for you 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
- Computer Technology Club
- Science Club
- Comet Radio
- Student government
- Intramural sports

### Success

Our students get jobs. Period. Job placement rates are consistently 96-98%! We also 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. MSU was also named one of the 2013 top three Public Regional Colleges in the Midwest by U.S. News & World Report.



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 has been developed so that a group of students will go through the program together.

### 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.



1-800-437-4104  
www.MayvilleState.edu

## Plasmid Science

### Pre-Requisites

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

**TOTAL CREDITS.....4**

## Plasmid Science

### Core Requirements

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

\* New Course

† Formal acceptance into the certificate is required

**TOTAL CREDITS.....14**

## Other Recommended Coursework

BIOL 150	General Biology I.....	3
BIOL 150L	General Biology Lab.....	1
CIS 112	Introduction to Word Processing.....	1
CIS 114	Introduction to Spreadsheet Appl.....	1
ENGL 110	College Composition I.....	3
ENGL 120	College Composition II.....	3
MATH 103	College Algebra.....	3

## 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.

