

# Biomedical Core

Certificate Program 2012-2013

Program Requirements.....	15
Additional Requirements.....	2
<b>TOTAL CREDITS.....</b>	<b>17</b>

## PROGRAM INFORMATION:

This certificate program is designed for students with significant work experience and/or previous academic coursework. It complements previous work to prepare students for transition into positions in the biomedical device and products industry. Graduates will work in manufacturing, product development and testing. Classes include specific biomedical coursework, as well as a field experience with a biomedical company. For additional information about our biomedical programs, visit our Web site at <http://www.AnokaRamsey.edu>.

## PROGRAM GOALS:

By completing this certificate, students will achieve the following learning goals:

1. Demonstrate an understanding of trends, size, and scope of the medical device industry;
2. Demonstrate an understanding of the processes involved in the design, development and manufacture of medical devices;
3. Demonstrate knowledge of various regulations and agencies involved in regulatory processes specific to the medical device industry;
4. Demonstrate application of classroom knowledge to industry field experience.

## APPLICATION:

To receive this certificate, submit a Certificate Application to the Records and Registration Office. Applications are available in Academic Advising Services, or the Records and Registration Offices on either campus. All course requirements must be met before a certificate will be awarded.

## GENERAL INFORMATION:

College-level competence in English, writing, mathematics, and computer competency should be acquired before entering the BMED programs. All BMED program requirements are offered at the Coon Rapids campus.

## DEVELOPMENTAL COURSES:

Some students may need preparatory courses in the areas of English, reading or mathematics. Courses numbered below 1000 will not apply toward this program.

## COMPLETION REQUIREMENTS:

- A minimum cumulative grade point average (GPA) of 2.0 in courses numbered 1000 or above at ARCC.
- A minimum grade of C must be earned in all program requirements.
- All program requirements must be completed through Anoka-Ramsey Community College.
- A minimum of 12 semester credits must be completed at ARCC.
- All course requirements must be completed before a certificate will be awarded.

## Program Requirements:

**15 credits**

- BMED 1100 Introduction to Biomedical Devices/Industry .....2
- BMED 2100 Design & Manufacturing in the Medical Device Industry... 3
- BMED 2200 Introduction to Medical Device Regulations/Ethics .....3
- BMED 2300 Introduction to Quality Assurance .....3
- BMED 2297\*\* Field Experience & Seminar .....4

*\*It is recommended that all biomedical courses be completed prior to taking BMED 2297 Field Experience & Seminar.*

*\*Permission of Program Director required for this course.*

## Additional Requirements:

**2 credits**

- BIOL 1102 Medical Terminology .....2

For more information about our program graduation rates, the median debt of students who completed the program, and other important information, please visit our Web Site at <http://anokaramsey.edu/classes/Certificates/BMedCoreCert.aspx> and click on the "Gainful Employment Disclosure Report" link at the bottom of the page.

## Program Sequence:

The sequence that follows is suggested for full-time students. Part-time students will need more time to complete this program; many courses are offered in the evening.

	Fall Semester	Spring Semester
<b>FIRST YEAR</b>	BIOL 1102.....2	BMED 2200.....3
	BMED 1100.....2	BMED 2297 * .....4
	BMED 2100.....3	<b>TOTAL ..... 7</b>
	BMED 2300.....3	
	<b>TOTAL ..... 10</b>	

\* Course has a prerequisite. Prerequisites are listed on the course schedule and in the ARCC Catalog Course Descriptions pages.

**NOTE:** The requirements of this program are subject to change without notice. You are encouraged to contact an academic advisor, Cambridge Campus 763-433-1840 or Coon Rapids Campus 763-433-1240, for course planning assistance and information about transfer credit evaluation.

