

BMED Core

One-Year Certificate Program

2008-2009

Program Core Requirements	15
Additional Career Requirements	<u>2</u>
Total Credits	17

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.

Program Admission: To apply for admission to one of the Biomedical (BMED) Programs, submit the Application for Biomedical Programs to the Records and Registration Office. Applications are available in Counseling and Advising Services or the Records and Registration Offices on either campus. All BMED Program Core courses are offered at the Coon Rapids Campus. Most BMED Program Core courses are also offered at Inver Hills and Normandale Community Colleges.

General Information: College-level competence in English, writing, mathematics, and computer competency should be acquired before entering the BMED programs.

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

Program Core Requirements	15 credits	
BMED 1100 Introduction to Biomedical Devices/Industry	2	*It is recommended that all biomedical courses be completed prior to taking BMED 2297 Field Experience & Seminar. Permission of Program Director required. Notes: (1) 2.A minimum cumulative grade point average (GPA) of 2.0 in courses numbered 1000 or above at ARCC. (2) A minimum grade of C must be earned in all Program Core requirements. (3) All Program Core requirements must be completed through Anoka-Ramsey Community College.
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	
Additional Career Requirements	2 credits	
BIOL 1102 Medical Terminology	2	

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

Fall Semester		Spring Semester	
BIOL 1102 Medical Terminology	2	BMED 2200 Medical Device Regulations/Ethics	3
BMED 1100 Intro to Biomedical Devices/Industry	2	BMED 2297 Field Experience & Seminar	<u>4</u>
BMED 2100 Design & Manufacturing	3	TOTAL	7
BMED 2300 Intro to Quality Assurance	<u>3</u>		
TOTAL	10		

You are encouraged to contact a counselor or an advisor, Cambridge Campus 763.433.1830 or Coon Rapids Campus 763.433.1230, for course planning assistance and information about transfer credit evaluation. NOTE: The requirements of this program are subject to change without notice.