

Biomedical Technician Certificate

One-Year Certificate Program 2009-2010

Program Requirements.....	15
Additional Certificate Requirements ...	6
General Education	9-10
TOTAL CREDITS.....	30-31

PROGRAM INFORMATION:

This one-year certificate program prepares students for entry-level positions in the biomedical device and products industry. Graduates will work in manufacturing, product development and testing. Many of the courses transfer to four-year institutions. Classes include specific biomedical coursework, as well as writing, statistics, and 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 proficiency in oral and written communication, interpersonal skills, and critical thinking/problem solving; 3) demonstrate an understanding of the processes involved in the design, development and manufacture of medical devices; 4) demonstrate knowledge of various regulations and agencies involved in regulatory processes specific to the medical device industry; 5) 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.

GENERAL INFORMATION:

College-level competence in English, writing, and 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.

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.

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
FIRST YEAR	BMED 1100.....	BIOL 1102.....
	BMED 2200.....	BMED 2300*.....
	BMED 1104.....	BMED 2297.....
	BMED 2100.....	MATH 1110.....
	ENGL 1104 or ENGL 1121 ...	SPCH 1110, 2215, or 2220.....
	TOTAL	TOTAL
	10	7

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 Intro to Quality Assurance 3
- BMED 2297* Field Experience & Seminar 4

Additional Requirements:

6 credits

- BIOL 1102 Medical Terminology 2
- BIOL 1104 The Human Body 4

General Education/MnTC Requirements

9-10 credits

- ENGL 1121* College Writing & Critical Reading *OR*
ENGL 1104* Technical Writing 3-4
- MATH 1110* Introductory Statistics I 3
- SPCH 1110, 2215, *OR* 2220 3

Final Requirements:

- Overall GPA 2.0 or above
- 30 Credits Required (*minimum*)

TOTAL: _____

**It is recommended that all biomedical courses be completed prior to taking BMED 2297 Field Experience & Seminar. Permission of Program Director required.*

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

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 763.433.1230, for course planning assistance and information about transfer credit evaluation.


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