

Clinical Research Professional

One-Year Certificate Program

2008-2009

Program Core Requirements	15
Additional Career Requirements	7
Total Credits	22

Program Information: The Clinical Research Professional Certificate program is designed for students with a degree in nursing, pharmacology, or biological sciences who desire to move into clinical research positions in biomedical or other health-related companies. Graduates will work in research monitoring, clinical research coordination, clinical data management, and regulatory affairs. Classes include specific biomedical coursework, as well as microbiology, statistics, pharmacology, and a field experience with a biomedical company. For additional information on 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) explain the steps in the research process; 2) describe the process for data collection and documentation; 3) demonstrate an understanding of applicable Regulations for conducting clinical trials in the US and other countries; and, 4) describe the elements of Good Manufacturing Practices (cGMP) and Good Clinical Practices (cGCP); and, 5) understand and demonstrate components of clinical research protocol.

Program Admission: Admission to the Clinical Research Professional Certificate Program requires prior completion of RN (AS, AD, BSN) degree or a baccalaureate degree in pharmacology, biology or a related field. Please request that official college transcripts be sent to the Records and Registration Office. Most students admitted to the CRP program are exempt from the college's assessment tests. Submit an *Application for Admissions* to the College (new ARCC students only) and an *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.

Program Core Requirements	15 credits	Additional Career Requirements	7 credits
BMED 1100 Introduction to Biomedical Devices/Industry	2	BIOL 1102 Medical Terminology	2
BMED 2100 Design & Manufacturing in the Medical Device Industry	3	MATH 1110* Introductory Statistics I	3
BMED 2200 Introduction to Medical Device Regulations and Ethics	3	NURS 2584* Pharm. for Nurses & Related Hlth Prof.	2
BMED 2400* Introduction to Clinical Research	3	Notes: (1) BIOL 1102, Medical Terminology or test out is required. Call 763-433-1240 to schedule a test time. (2) A cumulative GPA of 3.0 or above is required to complete this certificate. (3) A minimum grade of C must be earned in all Program Core requirements. (4) All Program Core requirements must be completed through Anoka-Ramsey Community College.	
BMED 2297* Field Experience & Seminar	4		
* Course has a prerequisite.			
*It is recommended that all biomedical courses be completed prior to taking BMED 2297 Field Experience & Seminar. Permission of Program Director is required.			

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. Some courses have a prerequisite. See College Catalog.

Fall Semester		Spring Semester	
BMED 1100 Intro to Biomedical Devices/Industry	2	BIOL 1102 Medical Terminology	2
BMED 2200 Medical Device Regulations/Ethics	3	NURS 2584 Pharmacology for Nurses	2
MATH 1110 Introductory Statistics I	3	BMED 2400 Introduction to Clinical Research	3
BMED 2100 Design & Manufacturing	3	BMED 2297 Field Experience & Seminar	4
TOTAL	11	TOTAL	11