

**Master of Science in Clinical & Translational Research**  
**Clinical Research Professionals Track**



*Effective Spring 2022-Present*

Course Number	Course Title	Credits	Required or Elective	Semester Offered
<b>Core Courses - 12 credit hours</b>				
BE-7022	Introduction to Biostatistics	3	Required	Fall/Spring/Summer*
BE-7066	Principles of Clinical Trials	3	Required	Fall
BE-7076	Introduction to Epidemiology	3	Required	Fall/Spring/Summer*
BE-7081	Institutional Review Board (IRB) Submission Process for Researchers	1	Required	Summer*
BE-8082	Research Methods for Human Population Studies	3	Required	Fall
BE-9064	Clinical Research Professionals Seminar	2	Required	Fall
<b>Research Ethics (choose one) – 1-2 credit hours</b>			Required	
BE-7067	Scientific Integrity & Research Ethics	1-2		Summer*
GNTD-7003	Ethics in Research	1		Spring
<b>Project/Data Management (choose one) - 2 credit hours</b>			Required	
BE-7033	Project Management & Evaluation	2		Spring
BE-7050	Clinical Data Management	2		TBD
<b>Regulatory Affairs (choose one) - 2-3 credit hours</b>			Required	
BE-7035	Preclinical Regulatory Overview	2		TBD
BE-7036	Clinical Research Regulatory Overview	3		Spring
<b>Culmination (choose one) - 2 credit hours</b>			Required	
ENV-7091	Master's Thesis Research	2		Fall/Spring/Summer
BE-7092	CRP Capstone Project	2		Fall/Spring/Summer
<b>Electives: 10-11 credit hours</b>				
<i>Students may fulfil the remaining elective course credit hours by completing an optional focus area, additional elective courses of choice, and/or a maximum of 6 credit hours of non-thesis research (ENV-8091). Elective courses outside of the department need to be approved by the Program Director.</i>				
<b>TOTAL CREDIT HOURS</b>		<b>30</b>		
<p style="text-align: right;"><i>*course is offered online</i></p> <ul style="list-style-type: none"> <li>• 3.0 GPA (B average) or higher required for graduation.</li> <li>• "I" (Incomplete) or "NG" (Not Graded) grades must be removed from academic record prior to applying for graduation.</li> <li>• Students must take a minimum of one graduate credit that contributes to degree requirements per academic year (fall-summer) to maintain active status.</li> <li>• All requirements for the master's degree must be completed within five consecutive academic years of the date of matriculation into the program.</li> </ul>				

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**Approved Electives**

***Effective Fall 2021-Present***

\*Approved courses that can be used to count towards elective credit hours include:

-Any BE listed course

-Any course listed on the curriculum, but not used to fulfil a curriculum requirement

\*The table below lists suggested BE courses and other approved electives outside of the department.

<b>Course Number</b>	<b>Course Title</b>	<b>Credits</b>	<b>Semester Offered</b>
BE-7025	Comparative Effectiveness Research/Patient-Centered Outcomes Research	2	Fall
BE-7034	Data Collection and Storage with REDCap	1	Fall
BE-7040	Collaboration & Team Science	2	Spring
BE-7071	Quality Improvement & Patient Safety	1	Fall
BE-8076	Successful Scientific Writing	2	Fall*/Summer*
EDST-7045	Community-Based Participatory Research	3	Summer
HCA-7041	Evidence-Based Decision Making	3	Fall
PHDD-8010	Global Regulatory & Development Strategies of Drugs & Medical Devices	3	Fall
PHDD-8040	Development & Manufacturing of Drug Products & Medical Devices	3	Spring
PHDD-8080	Pharmaceutical Economics & Management	3	Spring