

COLLEGE OF PHARMACY AND HEALTH SCIENCES

CLINICAL RESEARCH

1-800-334-4111 • WWW.CAMPBELLPHARMACY.NET

THE CAMPBELL PROGRAM

Clinical research has emerged as a multi-disciplinary enterprise that requires a highly trained team of scientists and clinical investigators serving a variety of functions. The challenge before academic, industrial and governmental institutions is how to move these new discoveries as quickly as possible into practice without a compromise in safety or quality. The Clinical Research program is ideally suited to prepare students for entry-level positions in contract research organizations (CRO's), pharmaceutical and biotech companies, government, academia or other healthcare employers.

THE CAMPBELL APPROACH

The Clinical Research major includes the benefit of a Senior Internship taken during your final semester. Most internships occur in North Carolina's Research Triangle Park area, home to many world-renowned pharmaceutical, biotech and clinical research companies.

THE CAMPBELL CLINICAL RESEARCH FACULTY

Access to the Clinical Research faculty at Campbell is second-to-none. Experts in pharmaceutical, biotechnology devices, clinical research organizations, state and federal government agencies and academic research groups all participate in educating students with actual practice situations. Our full-time faculty provides a unique communication link with the industry, providing students the opportunity to interact with numerous experts and professionals on a constant basis.

The faculty members maintain these relationships with industry partners and work closely with students who have interest in specific areas of study, linking students with the appropriate industry personnel for research and educational opportunities.

In addition, our professors have a solid foundation of experience in Clinical Research. Our faculty members frequently are invited to present papers at national and international meetings as well as publish their works in clinical research, pharmacy and other healthcare-related journals.

THE CAMPBELL RESOURCES

The Clinical Research program utilizes state-of-the-art technology for video conferencing courses between our main campus in Buies Creek and our Research Triangle Park (RTP) campus facilities. In addition, many faculty use web-based systems including BlackBoard to post syllabi, lecture notes, class assignments and provide chat room opportunities for question and answer sessions.

For more information about the program contact:

The Program Director

1-800-334-4111, ext. 4769 • 919-814-4769

clinresearch@campbell.edu

THE CAMPBELL STUDENT

We are looking for students with strong interests in patient research who possess a sound background in the natural sciences. Prior to entering the major, students must have completed 67 semester hours of college credit taken from the core liberal arts curriculum and must include the following courses or their equivalents: General Biology, Anatomy and Physiology, Microbiology and Immunology, Cell & Molecular Biology, Chemistry I and II, Organic Chemistry I and II and Algebra or Calculus.

The course work for this major is rigorous, challenging and is accompanied by a significant amount of student autonomy. Strong communication skills are necessary, along with high personal motivation, perseverance and dedication.

The Campbell Advantage

As a result, you'll find:

- A widely respected, award-winning faculty committed to your success and well-being.
- A program personalized to complement your initiative and talents with a significant advantage in gaining acceptance to graduate and/or professional schools and entry-level clinical research positions.

CURRICULUM OUTLINE

Clinical Research

FRESHMAN YEAR

<u>SEMESTER 1</u>			<u>SEMESTER 2</u>		
		<u>HRS</u>			<u>HRS</u>
GENERAL CHEM I	CHEM 111	4	GENERAL CHEM II	CHEM 113	4
BASIC BIOLOGY	BIOL 111	4	CELL & MOLE BIOL	BIOL 201	4
ART/MUSIC/ THEA		131 3	ALGEBRA/ CALC	MATH	3
FRESHMAN COMP I	ENGL 101	3	FRESHMAN COMP II	ENGL 102	3
LIFETIME WELLNESS	PE 185	2	INTRO TO CHRIST	RELG 125	3
CU WORSHIP	CUW 100	0.5	CU WORSHIP	CUW 100	0.5

SOPHOMORE YEAR

<u>SEMESTER 3</u>			<u>SEMESTER 4</u>		
		<u>HRS</u>			<u>HRS</u>
ORGANIC CHEM I	CHEM 227	4	ORGANIC CHEM II	CHEM 228	4
MICRO & IMMUNOLOGY	BIOL 334	4	HUMAN ANAT & PHYS	BIOL 221	4
INTER FOREIGN LANG I		201 3	ENGLISH LITERATURE	ENGL LIT	3
WESTERN CIVILIZATION I	HIST 111	3	ELECTIVE		3
EXERCISE ACTIVITY	CLNR 324	1	WESTERN CIV II	HIST 112	3
CU WORSHIP	CUW 200	0.5	CU WORSHIP	CUW 200	0.5

JUNIOR YEAR

<u>SEMESTER 5</u>			<u>SEMESTER 6</u>		
		<u>HRS</u>			<u>HRS</u>
GEN BIOCHEMISTRY	PHSC 323/325	4	INTRO TO PHARMACO	PHSC 328	4
LABORATORY SAFETY	PHSC 210	1	PHYS & CLIN ASSESS	CLNR 479	2
QUANTITATIVE LAB TECH	PHSC 220	1	REGULATORY AFFAIRS	CLNR 530	3
NEW PRODUCT DEV	CLNR 362	1.5	INTERPERSON SKILLS	CLNR 442	2
PRIN. OF CLINICAL RES	CLNR 453	1.5	SCI LIT SEMINAR	PHSC 336	1
EXPER DESIGN & BIOSTAT	PHSC 324	4	MICRO ECONOMICS	ECON 224	3
SCIENTIFIC LIT SEMINAR I	PHSC 334	1	ELECTIVE		3

SENIOR YEAR

<u>SEMESTER 7</u>			<u>SEMESTER 8</u>		
		<u>HRS</u>			<u>HRS</u>
MAN/MONIT CLIN TRIALS	CLNR 459	3	SENIOR INTERNSHIP	CLNR 420	14
DATA MANAGEMENT	CLNR 450	2	SENIOR SEMINAR	CLNR 416	1
MEDICAL ETHICS	RELG 348	3			
SOCIAL SCIENCE ELECTIVE		3			
SCIENT & TECH WRITING	PHSC 451	1.5			
ENGLISH LITERATURE	ENGL LIT	3			

English Comp – Students with an SAT verbal score below 450 will be enrolled in ENGL100; 450-699 students will be enrolled in ENGL 101; 700 and above with at least a "B" average in high school students will be enrolled in ENGL 102.

English Literature – The ENGL LIT requirement may be satisfied by completing any two of the following literature courses: ENGL 201, 202, 203, 204 or 205.

Science Elective – Can be chosen from any 4-hour science courses with lab.

Social Science Elective – Courses may be selected from CRIM, ECON, GEOG, POLS, HIST, PHIL, PSYC and SOCI.

Elective – Any course can be used for an elective; however, students should consider a minor when planning coursework.