

Acceptable Pre-Requisite Courses for UCONN School of Nursing's Accelerated Second Degree CEIN/ BS program

Please Note: If there is a course that you would like to take at a Connecticut institution that is not on this list, please check UCONN's transfer equivalency tool to determine eligibility: <https://admissions.uconn.edu/apply/transfer/transfer-credit/equivalencies/>. If you want to know if a course you took or wish to take in or outside of Connecticut will be accepted as a pre-requisite, please send the course description and/or a syllabus to cein@uconn.edu.

This list is subject to change. Please check our website each semester for an updated list of acceptable courses.

STATISTICS (3 credits are required) This course must have been taken within the last 8 years with a grade of C or better.

One of the following Statistics courses or an equivalent is required. This is the course description of STAT 1100Q at UCONN, as an example of required content: Standard and nonparametric approaches to statistical analysis; exploratory data analysis, elementary probability, sampling distributions, estimation and hypothesis testing, one-and two-sample procedures, regression, and correlation. Learning to do a statistical analysis on a personal computer is an integral part of the course.

University	Course Number	Course Title
UCONN	STAT 1100Q	Elem. Concept of Statistics
	STAT 1000Q	Intro to Statistics I
CT State Community College	MATH 1200	Statistics I
	MATH 1201	Statistics I w Computer Apps
Eastern Ct State Univ	MAT 216	Statistical Data Analysis
	HSC 430	Stats in Health & Exer Sci
	BIO 378	Bio Research & Data Analysis
	PSY 227	Behavioral Science Statistics
	SOC 351	Stats for Social Research
Southern CT State Univ	MAT 107	Elementary Statistics
Central CT State Univ	STAT 215	Stats for Behavioral Sci I
Western CT State Univ	MAT 115	Intro to Biostatistics
Univ of St. Joseph	MATH 110	Elementary Statistics
Univ of Phoenix	MTH 217	Statistics I
Portage Learning	MATH 110	Introduction to Statistics

ANATOMY & PHYSIOLOGY I and ANATOMY & PHYSIOLOGY II (4 credits each, 8 credits total – labs are required. Beginning Fall 2024, hybrid classes will be accepted however the lab must be in person).

These courses must have been taken in the last 8 years with a grade of B- or better.

You must earn a minimum B- or better in BOTH class and lab. The Admissions Committee will not average the grades. The content must be human anatomy and physiology, not animal anatomy and physiology.

University	Course Number	Course Title
UCONN	PNB 2264 & 2265	Human Physiology & Anatomy I & II
	PNB 2274 & 2275	Enhanced Human P & A I & II
CT State Community College	BIO 2111 & BIO 2112	Anatomy & Physiology I & II
Eastern CT State Univ	BIO 348 & BIO 350	Functional Human Anatomy, Physiology
	HSC 318 & 319	Anatomy & Physiology I & II
Southern CT State Univ	BIO 200 & BIO 201	Human Anatomy & Physiology I & II
Central CT State Univ	BIO 318 & BIO 319	Anatomy & Physiology I & II
Western CT State Univ	BIO 105 & BIO 106	Anatomy & Physiology I & II
Univ of Phoenix	BIO 290 & BIO 291	Anatomy & Physiology I & II
Portage Learning	BIOD 151 & BIOD 152	Essential A & P I and II w/ lab

GENETICS (3 credits) Lab not required but ok to take a course that contains a lab. This course must have been taken in the last 5 years with a grade of B- or better.

One of the following courses is required. Here are a couple of examples of what type of courses to take: MCB 2400 at UCONN: Human Genetics. Foundational principles of classical genetics and modern genomics with a specific focus on humans. Emphasis on case studies and applications to human genetic diseases. MCB 2410 at UCONN: Genetics. Foundational principles of classical genetics and modern genomics with a focus on eukaryotic model genetics organisms. Emphasis on molecular mechanisms underlying heredity.

University	Course Number	Course Title
UCONN	MCB 2400	Human Genetics
	MCB 2410	Genetics
CT State Community College	BIO 2600	Principles of Genetics
Eastern CT State Univ	BIO 304	Genetics & Society

Southern CT State Univ	BIO 220	Genetics
Central CT State Univ	BMS 206	Genetics
Western CT State Univ	BIO 312	Genetics
Univ of Phoenix	BIO 410	Genetics
Portage Learning	BIOD 210	Genetics

MICROBIOLOGY (3 credits, lab not required but those courses with a lab will be accepted) This course must have been taken in the last 8 years with a grade of B- or better.

One of the following courses is required. This is what is required for the microbiology content (using MCB 2610 from UCONN as an example): Biology of microorganisms, especially bacteria. Cellular structure, physiology, genetics, and interactions with higher forms of life. Laboratory familiarizes students with methodology of microbiology and aseptic techniques. A lab is not required for this program, but most courses do contain one.

University	Course Number	Course Title
UCONN	MCB 2610	Fundamentals of Microbiology
	NURS 3100	Clinical Science II
CT State Community College	BIO 2350	Microbiology
Eastern CT State Univ	BIO 334	General Microbiology
	BIO 301	Microbes & Your Health
	HSC 425	Microbiology for Health Science
Southern CT State University	BIO 120	Microbiology
Central CT State Univ	BMS 316	Microbiology
Western CT State Univ	BIO 215	Microbiology
Univ of Phoenix	BIO 340	Microbiology
	SCI 250	Microbiology
Portage Learning	BIOD 171	Essential Microbiology w/ lab

BIOLOGY (3 credits, lab not required by those courses with a lab will be accepted) This course must have been taken in the last 8 years with a grade of B- or better.

One of the following courses is required. The course must be the equivalent of BIO 1107 from UCONN: Designed to provide a foundation for more advanced courses in Biology and related sciences. Topics

covered include molecular & cell biology, and animal anatomy & physiology. Lab exercises include dissection of preserved animals.

University	Course Number	Course Title
UCONN	BIOL 1107	Principles of Biology I
CT State Community College	BIO 1210	General Biology I
Eastern CT State Univ	BIO 202	Human Biology
	HSC 215	Biology for Health Science
Southern CT State Univ	BIO 102	Biology I
Central CT State Univ	BIO 121	General Biology I
Western CT State Univ	BIO 103	General Biology I
Univ of Phoenix	BIO 101	Principles of Biology
	BIO 350	General Biology I
Portage Learning	BIOD 101	Essential Biology I w/ lab

CHEMISTRY (4 credits) – lab is required. Beginning Fall 2024, hybrid classes will be accepted however the lab must be in person. This course must have been taken in the last 8 years with a grade of B- or better.

One of the following courses is required. Course must be the equivalent of UCONN CHEM 1122: Brief but comprehensive survey of important chemical theories and applications of chemistry. Atomic structures, chemical bonding, chemical reactions, stoichiometry, states of matter, and theories of solution. Or UCONN CHEM 1127: Designed to provide a foundation for more advanced courses in Chemistry. Atomic theory; laws and theories concerning the physical and chemical behavior of gases, liquids, solids, and solutions. Properties of some of the more familiar elements and their compounds. Quantitative measurements illustrating the laws of chemical combination in the lab.

University	Course Number	Course Title
UCONN	CHEM 1122	Chemical Principles & Applications
	CHEM 1124Q	Fundamentals of Gen Chemistry I
	CHEM 1127Q	General Chemistry I
	CHEM 1128Q	General Chemistry II
CT State Community College	CHEM 1010	Concepts of Chemistry
	CHEM 1210	General Chemistry I
	CHEM 1220	General Chemistry II

Eastern CT State Univ	CHEM 210/212L	General Chemistry I
	CHEM 211/213L	General Chemistry II
	CHEM 200	Introductory Chemistry w/ lab
Southern CT State Univ	CHEM 120 or CHEM 121	General Chemistry I or II
Central CT State Univ	CHEM 161	General Chemistry
Western CT State Univ	CHE 100	Concepts of Chemistry
	CHE 110 or CHE 111	General Chemistry I or II
Univ of Phoenix	CHEM 150 or CHEM 151	General Chemistry I or II
Portage Learning	CHEM 103	General Chemistry I w/ lab
	CHEM 104	General Chemistry II w/ lab

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