

# Pharmacology

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The Nursing and Allied Health Department offers pharmacology courses as part of the Nursing program and an introductory course for those interested in exploring healthcare pathways.

## Academic and Career Pathway

Health Sciences (<https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/>)

## Contact Information

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<https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/index.html>  
(<https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/>)

**Department:** Nursing and Allied Health

**Office:** Building OC5100, 760.757.2121 x6466

## Courses

### PHAR 100: Basic Pharmacology–Dosages and Calculations

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces important concepts, methods, and principles of administering medications. Topics include drug action and drug interaction, drug classifications, terminology, pertinent abbreviations, legalities, pharmacokinetics, and pharmacodynamics as well as problem solving for accurate measurement of medications using the apothecary and metric systems, conversion of these systems, ratio, proportion, and other formulas.

### PHAR 201: Pharmacology Essentials for Nursing Practice

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course covers pharmacology principles and major drug groups. It emphasizes applying the nursing process to the utilization of therapeutic drugs to address health problems. Students develop quantitative reasoning skills necessary for accurate drug dosage calculations and safe medication administration. Topics include pharmacokinetics, pharmacodynamics, dosage calculations, principles of medication administration, and variables that impact drug therapy. This course satisfies a major requirement for the registered nursing programs.

### PHAR 292: Internship Studies

Units: 0.5-14

Prerequisites: None

Corequisite: Complete 54 hours of work per unit, paid or unpaid.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.

Acceptable for Credit: CSU

Course Typically Offered: Fall, Spring, and Summer

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or work/intern at a new site upon each enrollment.

### PHAR 299: Occupational Work Experience Education

Units: 0.5-14

Prerequisites: None

Corequisite: Complete 54 hours of work per unit, paid or unpaid.

Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.

Acceptable for Credit: CSU

Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or work/intern at a new site upon each enrollment.