



# BIO-ADVANCE PRACTICE NURSING

DEPARTMENT OF BIOLOGICAL SCIENCES  
AT EASTERN ILLINOIS UNIVERSITY

NAME	
E NUMBER	
CATALOG	

F17

## GENERAL EDUCATION: 30-38 HRS

### LANGUAGE: 9 HRS

Course	Hours	Grade	Semester
ENG 1001G Composition & Language	3		
ENG 1002G Composition & Literature	3		
CMN 1310G Intro to Speech	3		

Grade of "C" or better is required

### SCIENCE AWARENESS: 7HRS

Completed in major.

### MATHEMATICS: 3-5 HRS

Completed in major.

### HUMANITIES/FINE ARTS: 9 HRS

Course	Hours	Grade	Semester
Humanities	3		
Fine Arts	3		
Humanities / Fine Arts	3		

## SOCIAL/BEHAVIORAL SCIENCES\*: 9 HRS

Course	Hours	Grade	Semester
PSY 1879G Intro to Psychology	3		
SOC 1838G Intro to Sociology	3		
	3		

\* One course must meet Cultural Diversity requirement.

### SENIOR SEMINAR: 3 HRS

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Seminar topic must be outside the major area. See Undergraduate Catalog for Senior Seminars that exclude Biological Sciences majors.

### FOREIGN LANGUAGE: 0-8 HRS

EXEMPT? ☐ YES ☐ NO

Exempt if 2yrs in high school of a single foreign language with average grade of "C" or better.


## SCIENCE CORE: 51-53 HRS

Biology Courses	Hours	Grade	Semester
BIO 1150 Biology Forum	1		
BIO 1500 General Biology I	4		
BIO 1550G* General Biology II	4		
BIO 3120* Molecular & Cell Biology	4		
BIO 3200* Genetics	4		
BIO 2220* Anatomy & Physiology II	4		
BIO 3180* Ecology and Evolution	4		
Physics Courses	Hours	Grade	Semester
PHY 1151G* Principles Physics I	3		
PHY 1152G* Principles Physics I Lab	1		
PHY 1161G* Principles Physics II	3		
PHY 1162G* Principles Physics II Lab	1		

Math Courses	Hours	Grade	Semester
MAT 2110G Brief Calculus	3		
MAT 2250G* Elementary Statistics	4		
Chemistry Courses	Hours	Grade	Semester
CHM 1310G General Chemistry I	3		
CHM 1315G General Chemistry I Lab	1		
CHM 1410* General Chemistry II	3		
CHM 1415* General Chemistry II Lab	1		
CHM 2440 Organic Chemistry I	3		
CHM 2445 Organic Chemistry I Lab	1		

\*Additional prerequisite classes may be required. See Undergraduate Catalog

\*BIO 2210 (Anatomy and Physiology I) prerequisite. BIO 2210 counts as BIO elective credit.

## MAJOR ELECTIVES: 21 HRS

21 hours of course work in Biological Sciences (with the exception of BIO 3400, workshops, and courses designed for General Education) or Mathematics or Physical Sciences courses above 2000 (with the exception of general education and CHM 2310). A minimum of 15 hrs must be taken in Biological Sciences.

Course	Hours	Grade	Semester
BIO 2210 Anatomy and Physiology I	4		
BIO 3300 General Microbiology	4		
CHM 2840 Organic Chemistry II	3		
CHM 3450 Biochemistry	3		

A list of electives is on the back of this sheet.

## OTHER:

Course	Hours	Grade	Semester
FCS 1800 Life Span Dev	3		
FCS 2100 Personal Nutrition	3		
PSY 3780 Abnormal Psychology	3		

Additional Requirements: CPR, First Aid, and Medical Terminology

**BE PREPARED: UPDATE THIS FORM BEFORE MEETING WITH YOUR ADVISOR**

## **MAJOR ELECTIVES:**

**BIO 2210** (4) Anatomy and Physiology I  
**BIO 2320** (3) Economic Botany  
**BIO 3210** (4) Immunology  
**BIO 3300** (4) General Microbiology  
**BIO 3312** (3) Horticulture  
**BIO 3322** (3) Dendrology  
**BIO 3450** (1-3) Independent Study  
**BIO 3451** (1-3) Undergraduate Research  
**BIO 3610** (3) Survey of Algae & Fungi  
**BIO 3612** (3) Plant Evolution & Diversity  
**BIO 3620** (4) Funct. Comp. Anatomy  
**BIO 3622** (4) Embryology  
**BIO 3624** (3) Histology  
**BIO 3628** (4) Evolutionary Biology  
**BIO 3690** (4) Clinical Rotation  
**BIO 3700** (4) Parasitology  
**BIO 3710** (3) Plant-Animal Interactions  
**BIO 3720** (4) Entomology  
**BIO 3740** (3) Clinical Mycology

**BIO 3810** (3) Freshwater Ecology  
**BIO 3850** (3) Environmental Biology  
**BIO 3888G** (3) Tropical/Marine Ecology  
**BIO 3950** (3) Vertebrate Natural History  
**BIO 3952** (3) Invertebrate Natural History  
**BIO 3960** (1-4) Special Topics  
**BIO 4400** (1) Teaching in the Lab  
**BIO 4751** (3) Adv. Molec. & Cell Biol.  
**BIO 4800** (2) Research Techniques  
**BIO 4810** (4) Plant Ecology  
**BIO 4812** (3) Fisheries Ecology & Mgmt  
**BIO 4814** (3) Conservation Biology  
**BIO 4816** (3) Biotic Communities  
**BIO 4818** (4) Environmental Microbiology  
**BIO 4914** (3) Plant Anatomy  
**BIO 4820** (4) Spatial Analysis for Environmental Sciences  
**BIO 4830** (3) Comp. Vertebrate Physiology  
**BIO 4832** (4) Animal Behavior  
**BIO 4833** (4) Neurobiology of Diseases  
**BIO 4834** (3) Neurobiology

**BIO 4835** (3) Advanced Neurobiology  
**BIO 4836** (4) Pathogenic Microbiology  
**BIO 4892** (4) Intro. Paleobotany  
**BIO 4920** (3) Medicinal Plants  
**BIO 4940** (3) Phycology  
**BIO 4942** (3) Mycology  
**BIO 4944** (3) Lichens  
**BIO 4946** (3) Bryology  
**BIO 4948** (3) Plant Taxonomy  
**BIO 4950** (3) Ichthyology  
**BIO 4952** (3) Herpetology  
**BIO 4954** (3) Ornithology  
**BIO 4956** (3) Mammalogy  
**BIO 4960** (3) Wetland & Aqua. Vasc. Plants  
**BIO 4984** (3) Organic Evolution

Courses numbered 5000-5499 inclusive, may be taken by a senior whose graduation requirements average 2.75 or higher, with the permission of the instructor and the Dean of the Graduate School.

Advanced Practice Nurse (APN) is licensed as a registered nurse. APN categories include Certified Nurse Practitioner (CNP), Certified Nurse Midwife (CNM), and Certified Registered Nurse Anesthetist (CRNA). APNs can order diagnostic tests, and prescribe/administer medications. Graduate education can range from 2 to 4 years depending on specialization. Doctorate programs will take longer than master's programs.

Certified nurse practitioners specialize in any area of health, including pediatrics, adult, family and gynecology/obstetrics, geriatrics, occupational health, psychiatry/mental health, and acute care. Certified nurse anesthetist's administer anesthesia in a variety of practice settings and care for any operation or procedure that requires pain management. Certified nurse midwives provide reproductive healthcare to women.

Training for each of these areas is at the graduate level and requires the applicant to have a baccalaureate degree, to be a Registered Nurse (RN), and to complete required prerequisite courses. An accelerated Bachelors of Science in Nursing (BSN) or an Entry Master's of Science in Nursing are a couple of ways to obtain a nursing degree if one has already earned a baccalaureate degree in another discipline.

Each program has different requirements, it is very important to identify early which programs you plan to apply and plot out their requirements accordingly.

## **NURSING RESOURCES:**

**Illinois Center for Nursing**  
[nursing.illinois.gov/education.asp](http://nursing.illinois.gov/education.asp)

**American Nurses Association**  
[www.nursingworld.org/default.aspx](http://www.nursingworld.org/default.aspx)

## **NURSING PROGRAMS:**

### **ACCELERATED BACHELORS OF SCIENCE FOR NON-NURSES**

**Illinois Center for Nursing**  
[www.brcn.edu/](http://www.brcn.edu/)

**Bradley University**  
[www.bradley.edu/academic/departments/nursing/programs/acceleratedbsn/](http://www.bradley.edu/academic/departments/nursing/programs/acceleratedbsn/)

**Lewis University**  
[www.lewisu.edu/academics/nursing/index.htm](http://www.lewisu.edu/academics/nursing/index.htm)

**Loyola University**  
[www.luc.edu/nursing/](http://www.luc.edu/nursing/)

**Menonite College**  
[nursing.illinoisstate.edu/](http://nursing.illinoisstate.edu/)

**Methodist College**  
[www.methodistcol.edu/methodistcollege/Degrees\\_Programs/4yearbsn/](http://www.methodistcol.edu/methodistcollege/Degrees_Programs/4yearbsn/)

**Resurrection University**  
[resu.edu/academics/prospective-undergraduates/nursing/](http://resu.edu/academics/prospective-undergraduates/nursing/)

**Southern Illinois University**  
[www.siu.edu/nursing/index.shtml](http://www.siu.edu/nursing/index.shtml)

**Trinity College of Nursing and Health Services**  
[www.trinitycollegeqc.edu/Academics/Bachelor-of-Science-in-Nursing.aspx](http://www.trinitycollegeqc.edu/Academics/Bachelor-of-Science-in-Nursing.aspx)

### **ENTRY LEVEL MASTERS OF SCIENCE FOR NON-NURSES**

**Depaul University**  
[csh.depaul.edu/departments/nursing/Pages/default.aspx/](http://csh.depaul.edu/departments/nursing/Pages/default.aspx/)

**Millikin University**  
[www.millikin.edu/academics/cps/nursing/Pages/default.aspx](http://www.millikin.edu/academics/cps/nursing/Pages/default.aspx)

**Rush University**  
[www.rushu.rush.edu/college-nursing](http://www.rushu.rush.edu/college-nursing)

**University of Illinois-Chicago**  
[www.nursing.uic.edu/](http://www.nursing.uic.edu/)