



Degree Requirements

Life Sciences (BS)

www.ncc.gmu.edu

Description

This concentration is geared towards students interested in working in medical and health promotion fields. Courses of study included under the life sciences concentration are: Pre-Medical, Pre-Dental, Pre-Occupational Therapy, Pre-Physician's Assistant, Pre-Pharmacy, and Pre-Physical Therapy. More information about a specific course of study in the life sciences can be obtained by contacting an academic advisor.

About NCC/Philosophy

The Bachelor of Arts degree program in integrative studies is based on intensive, interdisciplinary learning communities coordinated with traditional academic programs. The result is an integrated program of study that emphasizes collaboration, experiential learning, and self-reflection. The degree program requires mastery of eight essential competencies: communication, global understanding, group interaction, aesthetic awareness, critical thinking, civic engagement, digital literacy, and well-being.

Learning Communities (24 credits – Learning Communities have the NCLC prefix)

Learning communities are interdisciplinary courses that combine different subjects into a single course that is usually 3 or 6 credits. In learning communities, faculty and students explore various ways to understand a topic. Learning communities are structured to help promote a greater sense of identity with an academic community. Hallmarks of New Century College learning communities are team teaching, collaborative projects, emphasis on writing and critical thinking, and opportunity for independent study. They often include experiential learning, either as an integral part of the class or as an optional add on.

Experiential Learning (12 credits – NCLC 390 internship is an example of experiential learning)

Experiential learning includes internships, study abroad, community service learning, course field trips, and other field study opportunities. The learning sites may change each semester and are usually off campus. George Mason provides student liability insurance for the experiential learning internship, but students are responsible for their own transportation and health care. Accident and health insurance is available from George Mason.

No more than 24 credits of experiential learning can count toward a student's total credits for graduation.

Required Courses

These courses are a *sampling* of what may be required for a life sciences concentration. Course requirements for each course of study can be obtained by speaking with an advisor or by visiting the NCC degree requirements page at: ncc.gmu.edu/programs/la-bs-ints-lifs.

Biology: (8-18 credits) BIOL 103, 124, 125, 213, 246, 313

Chemistry: (0-18 credits): CHEM 103, 104, 211, 212, 313/315, 314/318, 462, 465

Physics (0-8credits): 103, 104, 243/244, 245/246

Mathematics: (3-8 credits): MATH 106, 110, 111, 113, 114 or STAT 250

Psychology (0-9 credits): PSYC 100, 211, 325

Ethics (3 credits): PHIL 151 or PHIL 309*

Sample 4-year plan*

First Year				Second Year			
Fall		Spring		Fall		Spring	
NCLC 101	6	NCLC 103	6	BIOL 213	4	BIOL 303	4
NCLC 102	6	NCLC 203	6	CHEM 211	4	CHEM 212	4
BIOL 104	4	MATH 106	3	SOCI 101	3	PHIL 151	3
				NCLC 3xx/4xx	4	NCLC 3xx/4xx	4
Total:	16	Total:	15	Total:	15	Total:	15
Third Year				Fourth Year			
Fall		Spring		Fall		Spring	
CHEM 313/315	5	CHEM 314/318	5	PHYS 243/244	4	PHYS 245/246	4
NCLC 3xx/4xx	4	NCLC 3xx/4xx	4	NCLC 490	3	NCLC 490	3
MATH 110	3	MATH 111	3	NCLC 3xx/4xx	4	NCLC 3xx/4xx	4
PHIL 309	3	BIOL elective	3	BIOL elective	3	Elective	3
Total:	15	Total:	15	Total:	14	Total:	14

*This is a Pre-Medical plan. Course numbers will vary depending on student's emphasis within the Life Science concentration

Advising/Further Information

ncc.gmu.edu/programs/la-bs-ints-lifs

New Century College

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