

Degree Pathway – Associate in Arts to NCF Chemistry

This Degree Pathway supplements that Memorandum of Understanding between The District Board of Trustees of Miami Dade College, Florida and New College of Florida effective as of ____ April 17 _____, 2023.

In the table below, the courses a student completes at MDC meet the NCF requirements for a Chemistry area of concentration on a course by course basis. Where no comparable courses exist, the space for the course name is left blank. Students should always consult their online degree planner and/or advisor(s) for the catalog year they entered their college and contact their academic advisor to better understand typical course availability and individual program planning.

MDC		NCF equivalent skills/prerequisites
Course	Credits	Course
General Education Curriculum	36	New College Liberal Arts Curriculum (general education)
Communication	9	Communication (Area I)
ENC 1101 English Composition I	3	College Composition
ENC 1102 English Composition II	3	Composition
SPC 1608 Introduction to Public Speaking	3	Public Speaking
Humanities	6	Humanities (Area II)
Six hours of general education humanities coursework is required; at least one course must be a State Core Option.	3	New College Liberal Arts Curriculum Humanities Course
HUM 2270 Humanities (East-West Synthesis) OR REL 2300: World Religions	3	New College Liberal Arts Curriculum Diverse Perspectives/Humanities Course
Mathematics	6-10	Mathematics (Area III)
MAC 2311 Calculus & Analytic Geometry I	5	Calculus w/ Analytic Geometry I
MAC 2312 Calculus & Analytic Geometry II	5	Calculus & Analytic Geometry II
Science (choose 2 courses; one option must include a lab; one option must be a State Core Option)	8	Natural Science (Area IV)
CHM 2045/L General Chemistry I w/Lab	4	General Chemistry I w/Lab
CHM 2046C General Chemistry II w/Lab	4	General Chemistry II w/Lab
Social Science	9	Social and Behavioral Science (Area V)
ANT 2000 Introduction to Anthropology OR ECO 2013 Principles of Macroeconomics	3	Introduction to Anthropology OR Macroeconomics
AMH 2020 Modern American History OR POS 2041 American Government	3	AMH 2020 Modern American History OR POS 2041 American Government (civic literacy requirement)
SYG 2000 Introduction to Sociology OR PSY 1012 General Psychology	3	Introduction to Sociology OR Introduction to Psychology
Electives (select from below)	24	
CHM 2210C Organic Chemistry I w/Lab	4	Organic Chemistry I w/Lab (recommended)
CHM 2211C Organic Chemistry II w/Lab	4	Organic Chemistry II w/Lab (recommended)
PHY 2048/L Physics I w/ Lab	4	College Physics I w/Lab
PHY 2049/L Physics I w/ Lab	4	College Physics II w/Lab
Unassigned elective	4	Transfer credit
Unassigned elective	4	Transfer credit

Foreign language proficiency will need to be met to complete a Bachelor of Arts degree, if student has not met 2 years of the same foreign language in high school, or its equivalent.

Additional entrance requirements, such as GPA minimums, test scores, and diagnostic examinations may apply.

**The District Board of Trustees of Miami Dade
College, Florida**

Malou C. Harrison

By: [Malou C. Harrison \(Apr 25, 2023 14:38 EDT\)](#)

Title: Dr. Malou C. Harrison, Provost

New College of Florida

Brad Thiessen

By: [Brad Thiessen \(Apr 25, 2023 15:40 EDT\)](#)

Title: Dr. Bradley Thiessen, Provost