

Westmoreland Chemistry AS to Carlow Chemistry BS Pathway

Community College

Semester 1

Course Number	Course Name	Credits
PDV-171	Career Pathway Exploration	3
PHY-255	Engineering Physics I	5
CHM-155	General Chemistry I	4
MTH-172	Analytical Geometry & Calculus I	4

Semester 2

Course Number	Course Name	Credits
ENG-161	College Writing	3
MTH-173	Analytical Geometry & Calculus II	4
PHY-256	Engineering Physics II	5
CHM-156	General Chemistry II	4

Semester 3

Course Number	Course Name	Credits
CHM-250	Organic Chemistry I	4
BIO-155	General Biology I	4
MTH-271	Analytical Geometry & Calculus III	4
PHY-259	Thermodynamics & Fluid Mech.	3
	Humanities Elective	3

Semester 4

Course Number	Course Name	Credits
CHM-251	Organic Chemistry II	4
SPC-155	Effective Speech	3
STM-296	STEM Seminar	1
	Social Science Elective	3

Total Credits* 61

Carlow University

Semester 1

Course Number	Course Name	Credits
CHM-311	Inorganic Chemistry	3
CHM-398	Junior Seminar	1
DTAN-101	Intro to Data Analytics	3
	Open Elective	3
	Open Elective	3
	Open Elective	3

Semester 2

Course Number	Course Name	Credits
CHM-312	Quantitative Analysis	4
CHM-399	Junior Seminar	1
	Chemistry Elective	4
	Open Elective	3
	Open Elective	3

Semester 3

Course Number	Course Name	Credits
CHM-411	Physical Chemistry I	3
CHM-498	Senior Experience	2
	Chemistry Elective	4
	Open Elective	3
	Open Elective	3

Semester 4

Course Number	Course Name	Credits
CHM-412	Physical Chemistry II	3
CHM-423	Advanced Experimental Tech.	3
CHM-499	Senior Experience	2
	Open Elective	3
	Open Elective	3

Total Credits* 60

Notes

Chemistry electives must be at or above the 200 level.

Open electives should be chosen in consultation with a Carlow faculty advisor and can be used to complete a minor or specialization.

Students enrolling at Carlow must complete a *minimum* of 30 credits at Carlow to achieve residency. They also must complete a *minimum* of 18 credits within their major at Carlow.

Transfer of Credit Policies

1. Courses are at or above the 100 level and are not developmental or remedial in nature
2. Courses were completed with a letter grade on the A+ through F grading scale (No P, S, or other grades are accepted at Carlow University)
3. Courses were completed with a **minimum** grade of C or better
4. A **maximum** of 90 total credits can be accepted for transfer

*60-61 credits are required to complete the Westmoreland program. 120 total credits are required to complete the Carlow program.