

Bachelor of Science in Clinical and Diagnostic Sciences

Clinical and Diagnostic Sciences Core Requirements

Oakland University Courses	Northwestern Michigan College Courses
BIO 1200	BIO 115 and 115L
BIO 2100, 2101 and 2600	(BIO 227 and 227L) and (BIO 228 and 228L)
CDS 2100	HAH 101
STA 2220	MTH 131

***Additional course requirements vary by concentration or specialization. Please contact an Oakland University academic adviser for additional information about the course requirements for your intended concentration or specialization.**

Clinical and Diagnostic Sciences provides an experiential human-based education in biomedical, imaging, and clinical sciences, and is built upon the foundations of biology and chemistry. Please visit the [department website](#) or the [academic catalog](#) for additional information.

Specialization in Diagnostic Medical Sonography (DMS) Requirements

Oakland University Courses	Northwestern Michigan College Courses
PHY 1010	PHY 121 and 121L
PHY 1020	PHY 122 and 122L
WRT 1060	ENG 112

Concentration in Histotechnology (HT) Requirements

Oakland University Courses	Northwestern Michigan College Courses
CHM 1440 and 1470	CHM 150 and 150R and 150L
CHM 1450 and 1480	CHM 151 and 151R and 151L
WRT 1060	ENG 112

Specialization in Medical Laboratory Science (MLS) Requirements

Oakland University Courses	Northwestern Michigan College Courses
CHM 1440 and 1470	CHM 150 and 150R and 150L
CHM 1450 and 1480	CHM 151 and 151R and 151L
CHM 2340	CHM 250 and 250L
PHY 1010	PHY 121 and 121L
PHY 1020	PHY 122 and 122L
WRT 1060	ENG 112

*Some clinical programs may require precalculus; check the individual clinical programs for current requirements

Concentration in Nuclear Medicine Technology (NMT) Requirements

Oakland University Courses	Northwestern Michigan College Courses
CHM 1440 and 1470	CHM 150 and 150R and 150L
MTH 1441	(MTH 121 and 122) accepted
PHY 1010	PHY 121 and 121L
COM 2000	COM 111
WRT 1060	ENG 112

Please contact the School of Health Sciences Academic Advising office at 248-370-2369, email shs@oakland.edu, or visit their [website](#) for more information regarding your major program.

Concentration in Pre-Clinical Professions (Medicine, Dentistry, Optometry, Veterinary Medicine) Requirements

Oakland University Courses	Northwestern Michigan College Courses
CHM 1440 and 1470	CHM 150 and 150R and 150L
CHM 1450 and 1480	CHM 151 and 151R and 151L
CHM 2340, 2350 and 2370	(CHM 250 and 250L) and (CHM 251 and 251L)
PHY 1010 and 1100	PHY 121 and 121L
PHY 1020 and 1110	PHY 122 and 122L
WRT 1060	ENG 112
Elective Credits (more options available at OU)	(BIO 116 & 116L); ENG 111; MTH 141; PSY 211; PSY 250

Concentration in Pre-Pharmacy Requirements

Oakland University Courses	Northwestern Michigan College Courses
CHM 1440 and 1470	CHM 150 and 150R and 150L
CHM 1450 and 1480	CHM 151 and 151R and 151L
CHM 2340, 2350 and 2370	(CHM 250 and 250L) and (CHM 251 and 251L)
MTH 1554	MTH 141
PHY 1010 and 1100	PHY 121 and 121L
WRT 1060	ENG 112

Concentration in Pre-Physician Assistant Requirements

Oakland University Courses	Northwestern Michigan College Courses
BIO 1201	BIO 115 and 115L
CHM 1440 and 1470	CHM 150 and 150R and 150L
CHM 1450 and 1480	CHM 151 and 151R and 151L
PSY 1000	PSY 101
PSY 2250	PSY 211
WRT 1060	ENG 112

Specialization in Radiologic Technology (RAD) Requirements

Oakland University Courses	Northwestern Michigan College Courses
PHY 1010	PHY 121 and 121L
PHY 1020	PHY 122 and 122L
WRT 1060	ENG 112

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TRANSFERRING WITH THE MICHIGAN TRANSFER AGREEMENT (MTA):

When choosing to complete MTA to satisfy General Education, please confirm the best courses to take to fulfill the agreement with your academic adviser at NMC or at the [NMC MTA Approved Courses](#) website. If you intend to complete MTA when following this major guide, take (COM 111, (PHY 121 & 121L) or PSY 211) or another course from OU's **Knowledge Applications** category in order to satisfy OU's transferable General Education requirements.

TRANSFERRING WITHOUT MTA:

If you intend to transfer without MTA, you can choose to complete additional coursework to fulfill OU's individual General Education categories instead. When following this major guide, please contact the School of Health Sciences Academic Advising office for the coursework that will be required for your specialization, and reference the [NMC General Education Transfer Guide](#) for the NMC courses that satisfy these specific OU General Education categories.

NOTES:

Students may transfer an unlimited amount of credit from NMC, and must complete a minimum of 45 credit hours from OU to meet degree requirements. As programs may limit how much transfer credit can be used toward requirements, **it is highly recommended that students work with both an OU academic adviser and their NMC academic adviser to maximize the applicability of coursework to specific requirements.**

Students must have a minimum cumulative transfer GPA of 2.8 in order to be admitted to the Clinical Diagnostic Sciences curriculum.

Oakland University will always honor the **MACRAO transfer agreement** and apply it to the General Education requirement the same as MTA.

OU's [ECLIPSE program](#), a unique community-engaged leadership initiative, is one of only a few health-science specific leadership programs in the country.

The Bachelor of Science in Radiologic Technology is [accredited](#) by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

Please visit the department website for additional information regarding [specialization internships](#). Acceptance into internship programs is competitive and is based on grade point average, personal interview, and letters of recommendation. Students must submit a formal application for each program for which they seek consideration.