

LANSING COMMUNITY COLLEGE

Health & Public Services

Curriculum Code: 1808
(Effective Spring 2018 –
Spring 2019)

Neurodiagnostic Technology C.A. Pathway

Neurodiagnostic Technology is the medical diagnostic field devoted to the recording and study of electrical activity in the brain and nervous system. Neurodiagnostic Technologists (EDT) are highly skilled professionals trained to perform electroencephalograms (EEG's) in medical facilities and outpatient centers under the direct supervision of a health care provider. The EEG program is designed not only to foster the skills and knowledge necessary for competent practice, but also places emphasis on professional attitudes, values and behaviors that encourage the professional growth of the individual student.

Clinical learning experiences are provided by affiliating hospitals, clinics and other outpatient facilities. Didactic learning experiences occur in supportive college course work delivered through an online environment and laboratory practice. Both are equally important to the development of the competent Neurodiagnostic Technologist.

All NDXT courses must be completed with a minimum 2.5 grade to continue in the program and receive this certificate.

The Neurodiagnostic Technology Program has been developed to be consistent with standards and requirements of the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Upon completion of the EEG program graduates will be eligible to take the American Board of Registration in Electroencephalographic (ABRET) exam. Upon passing the ABRET exam, Neurodiagnostic Technologists have earned their R.EEG T.

For More Information

Visit the Health and Human Services Building, Room 108, telephone number (517) 483-1410, or the Academic Advising Department, Gannon Building – StarZone, telephone number (517) 483-1904.

*Flat rates follow the Michigan Community College Association/ Michigan Online tuition rates. Please contact the Radiologic Technology Program Director at (517) 483-1410 for costs.

| Semester I Spring 2018 | Course Title | Prerequisites | Credit/Billing Hours |
|--------------------------------------|------------------------------|--|----------------------|
| Program of Study Requirements | | | |
| NDXT 100 | Neuroanatomy and Physiology | Reading Level 5 and Writing Level 4 and Math Level 4; Co-Requisite Course(s): NDXT 101 and NDXT 102 and NDXT 120 | 3 / 0* |
| NDXT 101 | Applied Sectional Anatomy | Reading Level 5 and Writing Level 4 and Math Level 4; Co-Requisite Course(s): NDXT 100 and NDXT 102 and NDXT 120 | 3 / 0* |
| NDXT 102 | MRI Pre-Clinical Preparation | Reading Level 5 and Writing Level 4 and Math Level 4; Co-Requisite Course(s): NDXT 100 and NDXT 101 and NDXT 120 | 3 / 0* |
| NDXT 120 | EEG Pre-Clinical Preparation | Reading Level 5 and Writing Level 4 and Math Level 4; Co-Requisite Course(s): NDXT 100 and NDXT 101 and NDXT 102 | 3 / 0* |
| Credits | | | 12 / 0* |

| Semester II Summer 2018 | Course Title | Prerequisites | Credit/Billing Hours |
|--------------------------------------|-------------------------------|--|----------------------|
| Program of Study Requirements | | | |
| NDXT 130 | Principles of EEG | Minimum 2.5 in NDXT 100, 101, 102, 120; Co-Requisite Course(s): NDXT 131 and NDXT 132 | 2 / 0* |
| NDXT 131 | Electricity Principles/Safety | Minimum 2.5 in NDXT 100, 101, 102, 120; Co-Requisite Course(s): NDXT 130 and NDXT 132 | 1 / 0* |
| NDXT 132 | EEG Instrumentation I | Minimum 2.5 in NDXT 100, 101, 102, 120; Co-Requisite Course(s): NDXT 130 and NDXT 131 | 2 / 0* |
| NDXT 200 | EEG Procedures & Pathology I | Minimum 2.5 in NDXT 130 and NDXT 131 and NDXT 132; Co-Requisite Course(s): NDXT 201 and NDXT 202 | 1 / 0* |
| NDXT 201 | EEG Instrumentation II | Minimum 2.5 in NDXT 130 and NDXT 131 and NDXT 132; Co-Requisite Course(s): NDXT 200 and NDXT 202 | 2 / 0* |
| NDXT 202 | EEG Quality Control | Minimum 2.5 in NDXT 130 and NDXT 131 and NDXT 132; Co-Requisite Course(s): NDXT 200 and NDXT 201 | 1 / 0* |
| Credits | | | 9 / 0* |

| Semester III Fall 2018 | Course Title | Prerequisites | Credit/Billing Hours |
|--------------------------------------|--------------------------------|--|-----------------------------|
| Program of Study Requirements | | | |
| NDXT 220 | EEG Clinical Practice I | Minimum 2.5 in NDXT 200, 201, 202; Co-Requisite Course(s): NDXT 230 and NDXT 231 | 3 / 0* |
| NDXT 230 | EEG Procedures & Pathology II | Minimum 2.5 in NDXT 200; Co-Requisite Course(s): NDXT 220 and NDXT 231 | 1 / 0* |
| NDXT 231 | EEG Procedures & Pathology III | Minimum 2.5 in NDXT 200; Co-Requisite Course(s): NDXT 220 and NDXT 230 | 1 / 0* |
| Credits | | | 5 / 0* |
| Semester IV Spring 2019 | Course Title | Prerequisites | Credit/Billing Hours |
| Program of Study Requirements | | | |
| NDXT 221 | EEG Clinical Practice II | Minimum 2.5 in NDXT 220; Co-Requisite Course(s): NDXT 232 | 3 / 0* |
| NDXT 232 | EEG Procedures & Pathology IV | Minimum 2.5 in NDXT 231; Co-Requisite Course(s): NDXT 221 | 1 / 0* |
| Credits | | | 4 / 0* |
| Total Credits | | | 30 / 0* |