

Associate in Applied Science in Neurodiagnostic Technology (EEG)

Program Outcomes

Upon completion of this degree, students will earn an A.A.S. degree from Southwestern Michigan College and be eligible to sit for the national registry board exams. A passing score will earn them the designation of R.EEG T.

Employment Opportunities or Additional Educational Options

With this degree, graduates can earn positions within hospitals and outpatient service centers.

To Learn More About This Program

Contact the Academic Advising and Resource Center at 269-782-1303 or askanadvisor@swmich.edu.

Degree Requirements

To earn this degree, students must have an overall GPA of 2.0, fulfill the course requirements of the program listed below, and complete a minimum of 60 credit hours. Each general education course, prerequisite course, internship/practicum, and capstone course must be completed with a final grade of "C" or better.

General Education Courses

COMMUNICATIONS

Course ID	Course	Credits
ENGL 103 or 103W	Freshman English 2 (or with workshop)	3 to 4 credits

MATHEMATICS

Course ID	Course	Credits
MATH 127	College Algebra	4 credits

NATURAL SCIENCE

Course ID	Course	Credits
BIOL 214	Basic Human Anatomy (Grade of "B" required)	4 Credits
CHEM 100	Fundamentals of Chemistry	4 Credits

SOCIAL SCIENCE

Course ID	Course	Credits
PSYC 101	General Psychology	3 credits
SOCI 201	Principles of Sociology	3 credits

HUMANITIES

Course ID	Course	Credits
PHIL 210	Introduction to Ethics	4 credits

Major Specific Required Courses

Course ID	Course	Credits
EDUC 120	Educational Exploration and Planning	1 credit
BIOL 215	Principles of Physiology	4 credits
HEED 101	Medical Terminology	3 credits
NDXT 100	Neuroanatomy and Physiology	3 credits
NDXT 101	Introduction to Neurodiagnostic Procedures	3 credits
NDXT 102	EEG Applications	3 credits
NDXT 120	EEG Pre-Clinical Preparation	3 credits
NDXT 130	Principles of EEG	2 credits
NDXT 131	Principles of Electricity and Electrical Safety	1 credit
NDXT 132	EEG Instrumentation 1	2 credits
NDXT 200	EEG Procedures and Pathology 1	1 credit
NDXT 201	EEG Instrumentation 2	2 credits
NDXT 202	EEG Quality Control	1 credit
NDXT 220	EEG Clinical Practice 1	3 credits
NDXT 221	EEG Clinical Practice 2	3 credits
NDXT 230	EEG Procedures and Pathology 2	1 credit
NDXT 231	EEG Procedures and Pathology 3	1 credit
NDXT 232	EEG Procedures and Pathology 4	1 credit

TOTAL CREDITS: 63-64

Additional Notes About this A.A.S. Neurodiagnostic Technology (EEG)

- This program is a collaborative partnership between SMC and the Michigan Community College Association.
- This is a very competitive program in which students must satisfy general education requirements before being accepted into the online portion of the program (year two). Students who are not accepted into year two may have other options to complete an health-related SMC degree program.
- A prerequisite course may be needed prior to enrollment in some courses within this program. Specific prerequisite requirements are listed in the Course Description section in the Course Catalog. A summary of the prerequisites is listed below in the Example Course Sequence.
- This program as outlined does not meet MTA requirements. Students would need another Communication course and one Humanities course. Students should see their advisor to ensure proper selection.
- Courses taken out of sequence may delay a student's ability to complete the program in a timely manner. Please consult your advisor regularly.
- Each student should submit a graduation application at least one full semester before he/she plans to graduate.
- This program is subject to change. Students should consult with their advisor for program updates.

Example Course Sequence

The following is a sample of a semester-by-semester approach to completing this program.

FIRST SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of C Required)
EDUC 120 Educational Exploration and Planning	1 credit	ENGL 115 or test scores (concurrent enrollment allowed)
ENGL 103 or 103W Freshman English 2 (or with workshop)	3 to 4 credits	ENGL 115 or test scores (concurrent enrollment allowed)
CHEM 100 Fundamentals of Chemistry	4 credits	BIOL 118: ENGL 115 or test scores (concurrent enrollment allowed); CHEM 100: MATH 101, MATH 102, or test score (concurrent enrollment allowed), ENGL 115 or test score (concurrent enrollment allowed)
BIOL 214 Basic Human Anatomy	4 credits	BIOL 098, BIOL 101, BIOL 110, BIOL 202, BISC 111 or one year of high school Biology with minimum grade of B within the last 5 years, or test score
PSYC 101 General Psychology	3 credits	ENGL 115 or test scores (concurrent enrollment allowed)

SECOND SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of C Required)
SOCI 201 Principles of Sociology	3 credits	ENGL 115 or test scores (concurrent enrollment allowed)
BIOL 215 Principles of Physiology	4 credits	BIOL 214; CHEM 100, or one year of high school Chemistry with minimum grade of B taken within the last 5 years, or test score.
MATH 127 College Algebra	4 credits	MATH 101, MATH 102, or test scores
HEED 101 Medical Terminology	3 credits	Minimum grade of C in ENGL 115 or test scores (concurrent enrollment allowed)
PHIL 210 Introduction to Ethics	4 credits	Minimum grade of C in ENGL 103 or ENGL 103W

FALL

Courses	Credits	Prerequisites (Minimum Grade of C Required)
NDXT 100 Neuroanatomy and Physiology	3 credits	Approved MCCA Sequence
NDXT 101 Introduction to Neurodiagnostic Procedures	3 credits	Approved MCCA Sequence
NDXT 102 EEG Applications	3 credits	Approved MCCA Sequence
NDXT 120EEG Pre-Clinical Preparation	3 credits	Approved MCCA Sequence

SPRING (1st 8 weeks)

Courses	Credits	Prerequisites (Minimum Grade of C Required)
NDXT 130 Principles of EEG	2 credits	Approved MCCA Sequence
NDXT 131 Principles of Electricity and Electrical Safety	1 credit	Approved MCCA Sequence
NDXT 132 EEG Instrumentation 1	2 credits	Approved MCCA Sequence
NDXT 220 EEG Clinical Practice 1	3 credits	Approved MCCA Sequence

SPRING (2nd 8 Weeks)

Courses	Credits	Prerequisites (Minimum Grade of C Required)
NDXT 200 EEG Procedures and Pathology 1	1 credit	Approved MCCA Sequence
NDXT 201 EEG Instrumentation 2	2 credits	Approved MCCA Sequence
NDXT 202 EEG Quality Control	1 credit	Approved MCCA Sequence
NDXT 220 EEG Clinical Practice 1	3 credits	Approved MCCA Sequence

SUMMER (1st 6 Weeks)

Courses	Credits	Prerequisites (Minimum Grade of C' Required)
NDXT 230 EEG Procedures and Pathology 2	1 credit	Approved MCCA Sequence
NDXT 231 EEG Procedures and Pathology 3	1 credit	Approved MCCA Sequence
NDXT 221 EEG Clinical Practice 2	3 credits	Approved MCCA Sequence

SUMMER (2nd 6 Weeks)

Courses	Credits	Prerequisites (Minimum Grade of C Required)
NDXT 232 EEG Procedures and Pathology 4	1 credit	Approved MCCA Sequence
NDXT 221 EEG Clinical Practice 2	3 credits	Approved MCCA Sequence