



# Southwestern Michigan College Applied Science in Associate in Neurodiagnostic Technology (EEG)

## EEG Technology

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Neurodiagnostic technologists perform electroencephalograms (EEGs), which map electrical activity in the brain and are used by physicians to diagnose and treat neurological disorders.

EEG technicians may explain the EEG test procedure to patients, prepare patients for the procedure, conduct the EEG test, monitor the patient's condition during the procedure, prepare reports, and communicate results to physicians. They may be employed in hospitals or other health care settings. EEG Technologists median annual salary \$42,630

## Licensing

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Associate in Applied Science in Neurodiagnostic Technology (EEG) from SMC and will be eligible to take the certification exam administered by the American Board of Registration of Electroencephalographic and Evoked Potential Technologists (ABRET).

## Prerequisites

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Course ID	Course
BIOL 110	Human Biology
ENGL 103 or 103W	Freshman English II
MATH 127	College Algebra
PSYC 101	General Psychology
SOCI 201	Principles of Sociology
PHIL 210	Introduction to Ethics

- Students are required to take all pre-requisite courses. No course waivers will be accepted.
- Dual Enrolled students are required to follow guidelines and criteria for the year they become degree seeking students.
- AP course or courses where the test(s) has been taken and passed will be accepted. CLEP is not accepted. Please refer to page 4 for scores and grades.
- A minimum grade of a C is required in all general education courses.
- Students must have a minimum of a 2.5 pre-requisite GPA in order to be eligible to apply.
- A student may only attempt pre-requisite courses two times. Only the most recent attempt on pre-requisites will be considered for admission requirements. If attempts are 5 years or older, the student can retake the courses and be considered for admission. An attempt includes "W" withdrawals.
- Math and science pre-requisites expire after 5 years and must be retaken prior to admission consideration.

- English and Psychology courses may be retaken after five years, but not required.
- Students will not be eligible for admission to the EEG program if they attempt any pre-requisite course more than twice. This includes attempts at other institutions.
- If a student has attempted a higher-level pre-requisite class(es) (i.e. MATH 130), that will be the class(es) that will be used to calculate the pre-requisite GPA. The pre-requisite attempt rule also applies to these courses.

## Program Courses

Fall	Spring 1 (1st 8 weeks)	Spring 2 (2nd 8 weeks)	Summer (1st 6 weeks)	Summer (2nd 6 weeks)
Neuroanatomy and Physiology	Principles of EEG	EEG Procedures and Pathology 1	EEG Procedures and Pathology 2	EEG Procedures and Pathology 4
Introduction to Neurodiagnostic Procedures	Principles of Electricity and Electrical Safety	EEG Instrumentation 2	EEG Procedures and Pathology 3	EEG Clinical Practice 2
EEG Applications	EEG Instrumentation 1	EEG Quality Control	EEG Clinical Practice 2	
EEG Pre-Clinical Preparation	EEG Clinical Practice 1	EEG Clinical Practice 1		

## Non-Sequential Class

It is recommended that students take HEED 101 prior to starting the EEG program.

## EEG Program Admission Deadlines

Timeline	Planned Admission for Summer
Deadline for Application to the Nursing and Health Services Office	June 1st Note: Students in progress Spring and Summer Semester classes will be considered for admission.
Acceptance	Notified by June 15 <sup>th</sup> of acceptance.
Required Orientation Day	Online Orientation in August (Exact time and date TBD)

This is a competitive admission process. Points are awarded based on pre-requisite GPA. Limited to 2-3 students each admission cycle. Due to the competitive nature of the EEG program, students who have completed all prerequisites courses prior to the application deadline will be given priority consideration for EEG program admission.

To see the full list of participating colleges, visit <https://www.mwtec.org/eeg-tech-program>.

All students must complete a SMC Admission Application and have met all the admission requirements of SMC prior to applying to the EEG program.

## Students taking pre-requisite classes at other institutions

- Students may be given conditional admittance into the EEG program if currently enrolled in prerequisite courses at another institution.
- The student must provide proof of enrollment in the prerequisite courses. Proof of enrollment must also include the expected course completion date.
- The student must provide an official transcript within two weeks of course completion. Failure to provide an official transcript within two weeks of course completion may result in forfeiture of the student's seat in the MRI program.

## High School and Dual Enrolled Students

- High school and dual enrolled students are eligible to apply to the program as long as all of the pre-requisite and GPA requirements are met, and are 18 years of age by the start of the clinical courses.
- If you are a Dual Enrolled or Early Middle College student, you **must** Have your transcripts from the college you were dual enrolled in sent to Southwestern Michigan College. Having the college courses listed on your high school transcripts is not accepted.

## Calculating your Total GPA Points for the EEG Program

Course ID	Credits	Multiply	GPA of Course	Equals
BIOL 110	4	X		=
ENGL 103	3	X		=
MATH 127	4	X		=
PSYC 101	3	X		=
SOCI 201	3	X		=
PHIL 210	4	X		=
Total Pre-Req Credits	21		Add all Points	

Take the number equivalent to the letter grade you earned in the class (see grading scale below), multiply that number by the number of credit hours for the class. Add the total class points you earned and then divide that number by the total number of pre-requisite credit hours (**21**). This number will be your pre-requisite GPA.

### GPA-Letter Equivalencies

Letter	GPA
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	0.67
F	0.00
I *Incomplete	0.00
W *Withdrawal	0.00

## Course Equivalencies

### MATH 127:

Alternative math courses for the EEG program:

Math 130, 141, 142, 201, 203, 205 equivalencies

MATH 114, 114C, 128, 129, 150, 153, 154 are not acceptable pre-requisite courses

### Advanced Placement Conversion

Score Range	Grade
5	A
4	A
3	B
2	C

### MATH 130

Grade	Equiv in MATH 127
A	A
B	A
C	B

### MATH 141+

Grade	Equiv in MATH 127
A	A
B	A
C	B

## **Disclaimers**

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- Students with approved status and/or benefits through U.S. Citizenship and Immigration Service's (USCIS) are responsible for being aware of their status and/or benefits and any changes that may affect it. Southwestern Michigan College is not liable for any problems that may occur when applying for examination, licensing, and employment after you complete the program.
- Please note the information in this packet is subject to change without notice, please meet with your advisor if you have any questions. Students are responsible to adhere to any changes made that may affect them.