Dear Prospective Electroneurodiagnostic Technology Student:

This packet contains the following information for your review:

1. Read the Health Sciences (HS) Applicant Information Packet for Degree Programs
2. Welcome letter from Electroneurodiagnostic Technology Program Director
3. Program Information
4. Process for entry into the Limited Enrollment/Restricted Courses
5. Estimated Cost of the Program
6. Mental and Physical Qualifications of Electroneurodiagnostic Technology
7. Additional Program Information
8. END Curriculum
Dear Prospective Electroneurodiagnostic Technology Applicant:

Thank you for your interest in Sinclair Community College and the Electroneurodiagnostic Technology (END) Associate Degree Program. This program is offered at the main Dayton, Ohio campus. To become an END student, you must declare the program of study on your Sinclair admission application or, if you are already enrolled, contact an academic advisor to request END be added to your official record as your program of study. In either case, you will need to meet with an advisor to obtain your individualized “MAP” (My Academic Plan) which is a course schedule outline to get you aligned with completing the coursework within the END curriculum.

The END curriculum consists of “open” and “limited enrollment” courses. Open and limited enrollment courses are noted on the curriculum sheet within this packet. Any student may register for “open” courses any term offered as long as the required prerequisites for those courses have been met. In order to register for “limited enrollment” courses, you must complete the prerequisite courses for cohort eligibility.

The END Program must be completed within two years of beginning the limited enrollment courses. Students attending on a part-time basis should complete their support courses (those without an END prefix) prior to starting the limited enrollment courses. Entry point for admission for limited enrollment courses is Fall semester each year. Up to 20 applicants are permitted to register for the limited enrollment courses each year. There is no “waiting list” for entry into the END limited enrollment courses at this time.

If you have any additional questions regarding the admission requirements or the program, please contact the ALH office at (937) 512-3285.

Sincerely,

Melissa Struewing

Melissa J. Struewing, BS, R.EEG.T, CNIM
END Program Director
SINCLAIR COMMUNITY COLLEGE
ELECTRONEURODIAGNOSTIC TECHNOLOGY PROGRAM (END.S.AAS)
ALLIED HEALTH INSTRUCTION DEPARTMENT

PROGRAM INFORMATION

Step 1  _____ Read the Health Sciences (HS) Applicant Information Packet for Degree Programs

Step 2  _____ Complete developmental courses, if any, resulting from Placement Test Scores:  DEV 0012 (reading), 0032 or 0044 (writing), 0024 (math); note:  0026 (math) is only required if student elects to take MAT 1270 in lieu of MAT 1130. For questions regarding test results or DEV classes, please refer to an academic advisor.

Step 3  _____ Complete prerequisite course requirements and testing for cohort eligibility (required to become eligible to register for limited-enrollment courses, see curriculum sheet):

_____ ALH 1101:  Introduction to Healthcare Delivery (2 credit hours)
_____ BIO 1121:  Human Anatomy and Physiology I (3 credit hours)
_____ END 1101:  Introduction to Electroneurodiagnostic Technology (1 credit hour)
_____ MAT 1130:  Allied Health Math (3 credit hours)
OR
_____ MAT 1450:  Introductory Statistics (4 credit hours)

_____ TEAS Test: Applicants must take the TEAS Test (Test of Essential Academic Skills) to be considered for the END Program. This test is a basic aptitude test designed to identify student’s abilities for the program. There is no cut-off score for this test. Scheduling for this test can be found at the following link http://www.sinclair.edu/enroll/new-student-center/testing/teas-testing/.

Step 4  _____ A minimum Grade Point Average (GPA) of 2.0 is required in order to take the first restricted/limited enrollment course.

Once students begin taking their first restricted/limited enrollment course, he/she must maintain a minimum of 2.0 cumulative GPA to continue.

Note: all courses listed in the END curriculum must be completed with a grade of “C” or better in order to continue in the program and receive their diploma.
SINCLAIR COMMUNITY COLLEGE
ELECTRONEURDIAGNOSTIC TECHNOLOGY PROGRAM (END.S.AAS)
ALLIED HEALTH INSTRUCTION DEPARTMENT

Process for entry into the Limited Enrollment/Restricted Courses

All new degree and certificate seeking students must take a placement test in writing, reading, and mathematics. In addition, the following students must take the placement test: transfer students who do not have transfer credits in English or math from their previous school(s), transient students who want to take English or math, or any student who has not tested in the past two years or transferred college level courses.

Limited Enrollment/Restricted Courses

1. Once a student has Electroneurodiagnostic Technology (END) added to his/her official transcript as a program of study, he/she is recognized as an END student as of that date.

2. The student’s transcript is reviewed by the END department for cohort eligibility (limited enrollment course eligibility).

3. Students who have completed the following requirements for cohort eligibility will be added to the limited enrollment course eligibility waiting list in the chronological order in which all of the following requirements have been satisfied.
   a. Declaration of END as his/her program of study
   b. Completion of developmental courses, if any, resulting from Placement Test Scores: DEV 0012 (reading), DEV 0032 or 0044 (writing), DEV 0024 (math)
   c. Completion of ALH 1101 or equivalent with a “C” or better
   d. Completion of BIO 1121 or equivalent with a “C” or better (BIO 1121 or equivalent may not be older than 5 years)
   e. Completion of MAT 1130 or MAT 1450 or equivalent with a “C” or better (MAT 1130 or MAT 1450 or equivalent may not be older than 10 years)
   f. Completion of END 1101 with a “C” or better
   g. Completion of the TEAS test (by August 20 of the year he/she will qualify to begin limited enrollment courses)
   h. Grade point average of cumulative 2.0 or better

4. In the case that multiple students complete their requirements at the same time, students will be ranked according to the date END was recorded on the student’s record.
   a. If more than one student has the same recorded date, the students will be ranked according to the number of courses in the END curriculum they have successfully completed.

5. Students who have indicated END on their record and have not completed the requirements for cohort eligibility will continue to be monitored for eligibility. If no progress is made toward completion of the cohort eligibility requirements within one (1) year of becoming an END student, the student will be removed from the END program of study.

Once removed, if the student is interested in the END program in the future, student must start over with seeing an academic advisor to begin the process again.
Once cohort eligibility has been obtained:

1. **Student Orientation**: END Students will be required to attend a mandatory orientation prior to the start of the END program. The orientation will cover END schedule, estimated cost of program, books and other important information necessary to be successful in the program.

2. **Health Certificate and Immunization**: END Students will be required to complete a Health Certificate and immunizations prior to start of END1991 – Practicum Experience I for END. Details will be covered in the mandatory orientation and practicum orientation.

3. **Background Check**: END Students will be required to complete a background check prior to the start of END1991 – Practicum Experience I for END. Details will be covered in the mandatory orientation and practicum orientation.

4. **Student Health Insurance**: END Students will be required to have proof of health insurance prior to enrolling in END1991 – Practicum Experience I for END. Details will be covered in the mandatory orientation and practicum orientation.
ESTIMATED COST OF THE PROGRAM

For Montgomery County, Ohio residents:

- Registration fee (one-time fee applied to 1st registration) $20.00
- Tuition: 60-61 credit hours x $121.03/per credit hour** $7261.00 – 7382.03*
- Fees: $306.00
- Books: $3,000.00
- Test of Essential Academic Skills (TEAS) $65.00
- Physical/Immunizations: (Required for practicum /clinical rotations) $200.00
- Uniforms/equipment: $100.00
- Background check: $65.00
- Travel: (Required for practicum /clinical rotations) $150.00

$11,167.00 - $11,288.03

For outside Montgomery County and inside Ohio:

- Registration fee (one-time fee applied to 1st registration) $20.00
- Tuition: 60-61 credit hours x $168.28/per credit hour** $10096.80 – 10265.08*
- Fees: $306.00
- Books: $3,000.00
- Test of Essential Academic Skills (TEAS) $65.00
- Physical/Immunizations: (Required for practicum /clinical rotations) $200.00
- Uniforms/equipment: $100.00
- Background check: $65.00
- Travel: (Required for practicum /clinical rotations) $150.00

$14,002.80 - $14,171.08

For outside of Ohio residents:

- Registration fee (one-time fee applied to 1st registration) $20.00
- Tuition: 60-61 credit hours x $314.40/per credit hour** $18864.00 – 19178.40*
- Fees: $306.00
- Books: $3,000.00
- Test of Essential Academic Skills (TEAS) $65.00
- Physical/Immunizations: (Required for practicum /clinical rotations) $200.00
- Uniforms/equipment: $100.00
- Background check: $65.00
- Travel: (Required for practicum/clinical rotations) $150.00

$22,770.00 - $23,084.40

* Tuition based on Fall 2020 rates
** There is an additional $7.50 per credit hour fee for online class
MENTAL AND PHYSICAL QUALIFICATIONS
REQUIRED OF APPLICANTS TO
ELECTRONEURODIAGNOSTIC TECHNOLOGY

MINIMUM ACCEPTABLE MENTAL AND PHYSICAL QUALIFICATIONS OF AN APPLICANT FOR PROFESSIONAL
ELECTRONEURODIAGNOSTIC TECHNOLOGIST INCLUDE THE FOLLOWING ABILITIES:

1. Frequently work in a standing position and do frequent walking.

2. Lift and transfer patients up to six inches from a stooped position, then push or pull the weight up to three feet.

3. Lift and transfer patients from stooped position to an upright position to accomplish bed-to-chair and chair-to-bed.

4. Physically apply up to ten pounds of pressure to bleeding sites.

5. Respond and react immediately to verbal instructions/requests and to auditory signals from monitoring equipment; perform auditory auscultation without impediment.

6. Physically perform up to a twelve-hour shift in any healthcare facility setting experience.

7. Perform close and distance visual activities involving objects, persons, and paperwork, as well as discriminate depth and color perception.

8. Discriminate between sharp/dull and hot/cold when using both hands.


10. Communicate effectively, both orally and in writing, using appropriate grammar, vocabulary, word usage, and interpersonal skills.

Students interested in the Electroneurodiagnostic Technology Program are responsible for determining their own eligibility in light of these qualifications, for informing the college of any potential problem areas, and for identifying to the Electroneurodiagnostic Technology Department any particular accommodations they may need. Students with disabilities are encouraged to register with the Disability department in Student Support Services and may utilize these services to determine appropriate accommodations. Students with disabilities who enter the program do so with the understanding that they will be expected to meet course requirements with any REASONABLE accommodation that may be provided by the college. No accommodations will be made in the clinical areas.
Uniforms & Equipment

Details will be provided during program orientation when planning for limited enrollment course registration.

- Uniforms and shoes are required for this program.

Practicum - Offsite Practicum Experience

Students are required to complete three non-paid practicum experiences for the duration of two semesters during the second year of the program.

- END1991: Students will be assigned to a site and complete a total of 112 hours.
- END2292: Students will be assigned to a site and complete a total of 112 hours.
- END2293: Students will be assigned to a site and complete a total of 224 hours.

- Students may not be placed at the same practicum site for each semester.
- The student is responsible for transportation to the practicum site. Transportation expenses will be incurred by the student.

Required Health Certificate/Immunizations

Details will be provided during program orientation when planning for limited-enrollment course registration.

- A physical and immunization form will be required prior to starting the END1191 practicum.

- A student health certificate must be completed by a physician, nurse practitioner, or physician’s assistant prior to entry into the clinical setting. This includes a physical exam, tuberculin test, chest x-ray if the tuberculin test is positive, rubella immunization or proof of a titer for rubella, Tetanus and diphtheria adult vaccine (Td), varicella (chicken pox) immunization or proof of a titer for varicella and yearly influenza immunization.

- Due to the potential for clinical exposure to blood and other potentially infectious materials, the student may be at risk for acquiring Hepatitis B infection. Centers for Disease Control and Prevention (CDC) recommends that healthcare personnel who perform tasks that may involve exposure to blood or body fluids should receive a 3-dose series of hepatitis B vaccine.

Required Background Checks

Details will be provided in the END Student Handbook and discussed during program orientation when planning for limited-enrollment course registration. Please refer to the HS Applicant Information Packet for more details.

- Federal and state background checks will be required for all students prior to beginning the first practicum course, END1191. The cost of this background check must be paid by the student.
The purpose of requiring background checks is to ensure the safety of patients, children, and the public during the practical experience in the END program. Requiring all END students to undergo a criminal background check prior to the practicum experience will also ensure that property, information, employees, other students of Sinclair Community College, and END clinical affiliates are reasonably safe from theft, injury or other unprofessional behavior from practicum students.

**Required Proof of Health Insurance for Practicum Experience**

Students enrolled in Sinclair health care programs are expected to have in effect personal health insurance prior to enrolling in any course which includes a clinical experience requirement. This requirement for having health insurance is in place because most clinical sites that accept Sinclair students require it. If a student does not have health insurance, he/she may not be admitted into a clinical course, and therefore, not be able to complete the program. Sinclair provides accident insurance for students injured in clinical settings. However, the insurance carrier decides what treatment is eligible for reimbursement, and any treatment denied for reimbursement is the responsibility of the student, not Sinclair or the clinical site.

Information about obtaining health insurance can be found at: [http://www.hhs.gov/healthcare/rights/index.html](http://www.hhs.gov/healthcare/rights/index.html) or [http://medicaid.ohio.gov/FOROHIOANS/GetCoverage.aspx](http://medicaid.ohio.gov/FOROHIOANS/GetCoverage.aspx)
# ELECTRONEURODIAGNOSTIC TECHNOLOGY PROGRAM CURRICULUM (END.S.AAS)

## COURSE

**FIRST SEMESTER (14) Fall**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit</th>
<th>LEC</th>
<th>LAB</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>END1102/1182</td>
<td>Introduction to Electroencephalography (EEG)</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>ALH1101; END1101; Department approval</td>
</tr>
<tr>
<td>ALH1110</td>
<td>Principles of Electrocardiography</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>None</td>
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<tr>
<td>BIO 1222</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>BIO1121</td>
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<tr>
<td>CHE 1311/1351</td>
<td>College Chemistry I</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>DEV0022 or DEV0072</td>
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<tr>
<td>HIM 1101</td>
<td>Medical Terminology</td>
<td>2</td>
<td>2</td>
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<td>DEV0012 or DEV0044</td>
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**SECOND SEMESTER (13) Spring**

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<th>Course Number</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>END1250/1285</td>
<td>Intermediate Electroencephalography (EEG)</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>ALH1110; CHE1311; END1102; HIM1101; BIO1450 or MAT1130; Restricted to Majors</td>
</tr>
<tr>
<td>END1260/1286</td>
<td>Basic Evoked Potentials</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>END1101; END1102; Restricted to Majors</td>
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<tr>
<td>END1901</td>
<td>Seminar for END Practicum I</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>ALH1130; END1101; END1102</td>
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<tr>
<td>END1991</td>
<td>Practicum Experience I for END</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td>Co-req with END1901</td>
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<tr>
<td>COM 2206</td>
<td>Interpersonal Communications</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>DEV0012 AND DEV0032</td>
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<tr>
<td>ENG 1101</td>
<td>English Composition I</td>
<td>3</td>
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<td>0</td>
<td>DEV0032 OR DEV0044</td>
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**TOTAL 14**

**THIRD SEMESTER (11) Fall**

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<th>Course Title</th>
<th>Credit</th>
<th>LEC</th>
<th>LAB</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>END2360/2386</td>
<td>Neonatal/Pediatric Electroneurodiagnostic Mobility</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>BIO1222; END1250; Restricted to Majors</td>
</tr>
<tr>
<td>END2450/2485</td>
<td>Nerve Conduction Studies</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>BIO1222; END1250; Restricted to Majors</td>
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<tr>
<td>END2460</td>
<td>Neurophysiology of Electroencephalography/Sleep Disorders</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>END1250; Restricted to Majors</td>
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<tr>
<td>END2902</td>
<td>Seminar for END Practicum II</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>COM2206; END1901; END1260; ENG1101</td>
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<tr>
<td>END2992</td>
<td>END Practicum II</td>
<td>0</td>
<td>0</td>
<td>7</td>
<td>Co-req with END2902</td>
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**TOTAL 13**

**FOURTH SEMESTER (13) Spring**

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<th>LEC</th>
<th>LAB</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>END2350</td>
<td>Intraoperative Monitoring for Electroneurodiagnostic Technologists</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>END1250; ENG1260; Restricted to Majors</td>
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<tr>
<td>END2550/2585</td>
<td>Fundamentals of Polysomnography</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>BIO1222; END1250; Restricted to Majors</td>
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<tr>
<td>END2903</td>
<td>Seminar for END Practicum III</td>
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<td>0</td>
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<td>END2993</td>
<td>END Practicum III</td>
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<td>Co-req with END2903</td>
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<td>END2999</td>
<td>Electroneurodiagnostic Capstone</td>
<td>2</td>
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<tr>
<td>PSY 1100</td>
<td>General Psychology</td>
<td>3</td>
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<td>0</td>
<td>DEV0012</td>
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**TOTAL 13**

**TOTAL CREDIT HOURS 60-61**

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Program Prerequisites (9-10 credit hours)
- ALH 1101 – Introduction to Healthcare Delivery (2)
- BIO 1121 – Human Anatomy & Physiology I (3)
- END1101 – Introduction to Electroneurodiagnostic Technology (1)
- MAT 1450 – Introductory Statistics (4) Or
  - MAT 1130 – Allied Health Math (3)

Effective Fall 2018
Bldg. 14, Room 307
(937) 512-3285

Reviewed: January 2020