

WRIGHT PATH PARTNERSHIP ARTICULATION AGREEMENT

Start at Edison State Community College and then transfer seamlessly to Wright State University to earn your bachelor's degree.

Edison State Community College

to

Wright State University



Electrical Engineering
Bachelor of Science



Students interested in Wright Path program benefits will apply to the program through Wright State website at wright.edu/wrightpath/edison-state.

| SUBJECT CODE | COURSE NUMBER | EDISON STATE CREDIT HOUR | COURSE TITLE | WRIGHT STATE COURSE # | WRIGHT STATE CREDIT HOUR |
|--------------|---------------|--------------------------|---|---|--------------------------|
| CHM | 121S | 5 | General Chemistry I <small>Natural Science Ohio Transfer 36</small> | CHM 1210 + 1210L <small>Additional Core Course</small> | 3+2 |
| COM | 121S | 3 | Introduction to Communication | COM 1010 <small>Additional Core Course</small> | 3 |
| ELT | 110S + 210S | 3+3 | Circuits I Circuits II | EE 2010 + 2010L + General Elective Credit | 3+1+2 |
| ELT | 141S | 3 | Digital Electronics | EE 2000 + 2000L | 2+1 |
| ENG | 121S | 3 | Composition I | ENG 1100 <small>Element 1: Communication</small> | 3 |
| ENG | 125S | 3 | Technical Writing | EGR 3350 <small>Element 1: Communication</small> | 3 |
| HST | 125S or 126S | 3 | Western Civilization to 1715 Western Civilization Since 1715 <small>Social & Behavioral Sciences Ohio Transfer 36</small> | HST 1100 or HST 1200 <small>Element 3: Global Traditions</small> | 3 |
| HUM | 121S | 3 | Introduction to Humanities <small>Arts & Humanities Ohio Transfer 36</small> | HUM 1XXX <small>Element 4: Arts/Humanities</small> | 3 |
| MTH | 221S | 5 | Calculus/Analytical Geometry I <small>Mathematics, Statistics, & Logic Ohio Transfer 36</small> | MTH 2300 + Elective <small>Element 2: Mathematics + General Elective Credit</small> | 4+1 |
| MTH | 222S | 5 | Calculus/Analytical Geometry II | MTH 2310 + Elective <small>Additional Core Course + General Elective Credit</small> | 4+1 |
| MTH | 223S | 5 | Calculus/Analytical Geometry III | MTH 2320 + General Elective Credit | 4+1 |
| MUS REL | 127S or 121S | 3 | Music as a World Phenomenon World Religions <small>Arts & Humanities Ohio Transfer 36</small> | MUS 2420 or REL 2320 <small>Element 3: Global Traditions</small> | 3 |
| PHY | 241S | 5 | Science and Engineering Physics I <small>Natural Science Ohio Transfer 36</small> | PHY 2400 + 2400L <small>Element 6: Natural Science</small> | 4+1 |
| PHY | 242S | 5 | Science and Engineering Physics II | PHY 2410 + 2410L <small>Element 6: Natural Science</small> | 4+1 |

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| | | | | | |
|--------------|------|-----------|--|--|-----------|
| PSY | 121S | 3 | Introduction to Psychology <small>Social & Behavioral Sciences Ohio Transfer 36</small> | PSY 1010 <small>Element 5: Social Science</small> | 3 |
| | | 4 | Differential Equations with Matrix Algebra | MTH 2350 (Completed at Wright State through SOCHE Agreement While Studying at Edison State) | 4 |
| TOTAL | | 64 | | | 64 |

- If PHY 241S and/or 242S are not offered at Edison, students are strongly recommended to take the course(s) at Wright State using SOCHE Cross Registration program.
- All students with declared electrical engineering major are automatically admitted as Pre-Electrical Engineering students.
- In order to be admitted fully as an electrical engineering major at Wright State, students will need to achieve a cumulative GPA of a 2.25.
- EE 1000 requirement will be waived after completing this associate degree.
- Students will need to complete the following courses:
 - At Edison State: ELT 141S, ENG 121S (C or higher), and MTH 221S.
- 120 hours minimum are required for a BS degree at Wright State.

| FIRST YEAR | | | | | | | |
|--------------------------------|---------------|---|--------------|-------------------------|---------------|---|--------------|
| Edison State Community College | | | | Wright State University | | | |
| SUBJECT CODE | COURSE NUMBER | COURSE TITLE | CREDIT HOURS | SUBJECT CODE | COURSE NUMBER | COURSE TITLE | CREDIT HOURS |
| FALL SEMESTER | | | | | | | |
| CHM | 121S | General Chemistry I <small>Natural Science Ohio Transfer 36</small> | 5 | CHM | 1210 + 1210L | General Chemistry I + Lab <small>Additional Core Course</small> | 3+2 |
| ENG | 121S | Composition I | 3 | ENG | 1100 | Academic Writing and Reading <small>Element 1: Communication</small> | 3 |
| HST | 125S or 126S | Western Civilization to 1715 Western Civilization Since 1715 <small>Social & Behavioral Sciences Ohio Transfer 36</small> | 3 | HST | 1100 or 1200 | Western Civilizations to 1500 The West and the World Since 1500 <small>Element 3: Global Traditions</small> | 3 |
| MTH | 221S | Calculus/Analytical Geometry I <small>Mathematics, Statistics, & Logic Ohio Transfer 36</small> | 5 | MTH | 2300 | Calculus I + Elective <small>Element 2: Mathematics + General Elective Credit</small> | 4+1 |
| SPRING SEMESTER | | | | | | | |
| ELT | 110S | Circuits I <small>Elective</small> | 3 | EE | 1XXX | Non-Equivalent Transfer Course (EE 2010/2010L Will Be Granted after Completing ELT 210S) | 2 |
| MTH | 222S | Calculus/Analytical Geometry II | 5 | MTH | 2310 | Calculus II + Elective <small>Additional Core Course + General Elective Credit</small> | 4+1 |

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| FIRST YEAR | | | | | | | |
|--------------------------------|---------------|---|--------------|-------------------------|---------------|--|--------------|
| Edison State Community College | | | | Wright State University | | | |
| SUBJECT CODE | COURSE NUMBER | COURSE TITLE | CREDIT HOURS | SUBJECT CODE | COURSE NUMBER | COURSE TITLE | CREDIT HOURS |
| MUS REL | 127S or 121S | Music as a World Phenomenon World Religions <small>Arts & Humanities Ohio Transfer 36</small> | 3 | MUS REL | 2420 or 2320 | Comparative Nonwestern Cultures – Music Nonwestern Religions <small>Element 3: Global Traditions</small> | 3 |
| PHY | 241S | Science and Engineering Physics I <small>Natural Science Ohio Transfer 36</small> | 5 | PHY | 2400 + 2400L | General Physics I + Lab <small>Element 6: Natural Science</small> | 4+1 |
| SUMMER SEMESTER | | | | | | | |
| PSY | 121S | Introduction to Psychology <small>Social & Behavioral Sciences Ohio Transfer 36</small> | 3 | PSY | 1010 | Introduction to Psychology <small>Element 5: Social Science</small> | 3 |
| Total Hours: | | | 35 | Total Hours: | | | 35 |

| SECOND YEAR | | | | | | | |
|--------------------------------|---------------|---|--------------|-------------------------|---------------|---|--------------|
| Edison State Community College | | | | Wright State University | | | |
| SUBJECT CODE | COURSE NUMBER | COURSE TITLE | CREDIT HOURS | SUBJECT CODE | COURSE NUMBER | COURSE TITLE | CREDIT HOURS |
| FALL SEMESTER | | | | | | | |
| ELT | 210S | Circuits II | 3 | EE | 2010 + 2010L | Analog Circuit Theory + Lab | 3+1 |
| ENG | 125S | Technical Writing | 3 | EGR | 3350 | Technical Communications for Engineers and Scientists | 3 |
| HUM | 121S | Introduction to Humanities <small>Arts & Humanities Ohio Transfer 36</small> | 3 | HUM | 1XXX | Non-Equivalent Course <small>Element 4: Arts/Humanities</small> | 3 |
| PHY | 242S | Science and Engineering Physics II | 5 | PHY | 2410 + 2410L | General Physics II + Lab <small>Element 6: Natural Science</small> | 4+1 |
| SPRING SEMESTER | | | | | | | |
| COM | 121S | Introduction to Communication | 3 | COM | 1010 | Essentials of Public Address <small>Additional Core Course</small> | 3 |
| ELT | 141S | Digital Electronics <small>Elective</small> | 3 | EE | 2000 + 2000L | Digital Design with HDL + Lab | 2+1 |
| MTH | 223S | Calculus/Analytical Geometry III | 5 | MTH | 2320 | Calculus III + General Elective Credit | 4+1 |
| MTH | 2XXS | Elective | 4 | MTH | 2350 | Differential Equations with Matrix Algebra (Completed at Wright State through SOCHE Agreement While Studying at Edison State) | 4 |
| Total Hours: | | | 29 | Total Hours: | | | 29 |

Total Credit Hours for Associate Degree: 64

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Students must complete the following coursework at Edison State in order to graduate from Wright State in a timely manner:

| SUBJECT CODE | COURSE NUMBER | EDISON STATE CREDIT HOUR | COURSE TITLE | WRIGHT STATE COURSE # | WRIGHT STATE CREDIT HOUR |
|--------------|---------------|--------------------------|--------------------|-----------------------|--------------------------|
| CIS | 221S | 3 | Java Programming I | CS 1180 | 3 |
| TOTAL | | 3 | | | 3 |

THIRD YEAR

Wright State University

| SUBJECT CODE | COURSE NUMBER | COURSE TITLE | CREDIT HOURS |
|------------------------|---------------|---|--------------|
| FALL SEMESTER | | | |
| EE | 3210 | Linear Systems I | 3 |
| EE | 3310 | Electronic Devices and Circuits | 3 |
| EE | 3310L | Electronic Devices and Circuits Lab | 1 |
| EE | 3450 | Introduction to Electromagnetics | 3 |
| EE | 3450L | Introduction to Electromagnetics Lab | 1 |
| EE | 4620 | Digital Integrated Circuit Design with PLDs and FPGAs | 3 |
| EE | 4620L | Digital Integrated Circuit Design with PLDs and FPGAs Lab | 1 |
| SPRING SEMESTER | | | |
| EE | 4000 | Linear Systems II | 3 |
| EE | 4130 | Continuous Controls Systems | 3 |
| EE | 4130L | Continuous Controls Systems Lab | 1 |
| EE | | Technical Elective EE 2000+ Level | 3 |
| EE | | Technical Elective EE 2000+ Level | 4 |
| Total Hours: | | | 29 |

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FOURTH YEAR

Wright State University

| SUBJECT CODE | COURSE NUMBER | COURSE TITLE | CREDIT HOURS |
|------------------------|---------------|---|--------------|
| FALL SEMESTER | | | |
| EE | 3260 | Random Signals and Noise | 3 |
| EE | 4210 | Digital Communication | 3 |
| EE | 4210L | Digital Communication Lab | 1 |
| EE | 4910 | Electrical Engineering Senior Design Project I | 3 |
| | | Technical Elective EE 4000 Level | 4 |
| SPRING SEMESTER | | | |
| EE | 4920 | Electrical Engineering Senior Design Project II | 3 |
| EE | | Technical Elective EE 4000 Level | 4 |
| | | General Elective Credit | 3 |
| Total Hours: | | | 24 |

Total Credit Hours for Bachelor's Degree: 120

1. ADMISSIONS AND DEADLINES

Join the Wright Path Program

Students interested in applying to the Wright Path must submit a request for membership at wright.edu/wrightpath/edison-state.

High school students must have completed their junior year before applying to the Wright Path, and current Edison State students must have a minimum 2.0 GPA.

Transfer to Wright State University

Students must earn a minimum 2.0 GPA from Edison State in order to transfer to Wright State.

Wright State processes applications as they are received. To help you make a smooth and timely transition, we recommend you submit your application by the following dates:

Fall Semester: **April 1**
Spring Semester: **October 15**
Summer Semester: **February 1**

Students must apply for undergraduate admission one semester prior to completing their studies at Edison State.

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In order to be admitted fully as an electrical engineering major at Wright State, students will need to achieve a cumulative GPA of a 2.25.

Students will need to complete the following courses:

- At Edison State: ELT 141S, ENG 121S (C or higher), and MTH 221S.

2. TUITION AND SCHOLARSHIPS

Students interested in scholarship opportunities at Wright State should contact:

Transfer Student Resource Center
138 Student Union
3640 Colonel Glenn Hwy.
Dayton, OH 45435
937-775-5700
transfer@wright.edu

3. CONTACT INFORMATION

Edison State Community College
Coordinator of Transfer Pathways Advising
Student Services Room #160
1973 Edison Dr., Piqua, OH
937-778-7844

Wright State University
Transfer Student Resource Center
138 Student Union
3640 Colonel Glenn Hwy. Dayton, OH
937-775-5700

This agreement will expire two years from date of signature.



9 August, 2022

Christopher Spradlin, M.A.
President Designate
Edison State Community College

Date



8/9/2022

Amy Thompson, Ph.D.
Provost and Senior Vice President for Academic Affairs
Wright State University

Date