

**ARTICULATION AGREEMENT
BETWEEN
VAUGHN COLLEGE OF AERONAUTICS AND TECHNOLOGY
(BSET – General Electronics)
AND
MIDDLESEX COUNTY COLLEGE
(AAS – Electrical Engineering Technology)**

1. PURPOSE

- To promote the seamless transfer of Associate Degree graduates from Middlesex County College to Vaughn College of Aeronautics & Technology;
- To provide information about junior and senior year requirements to students and advisors at Middlesex County College;
- To attract qualified students to Middlesex County College and Vaughn College;
- To facilitate communication between chairpersons, program directors, and Deans at Middlesex County College and their counterparts at Vaughn College.

2. GENERAL REQUIREMENTS

1. Associate's Degree graduates of Middlesex County College, who satisfy the minimum GPA requirements (C or better) will be admitted into the BSET General Electronics program at Vaughn College, and will be deemed to have satisfied Vaughn College's core and proficiency requirements as specified in the attached template.
2. Courses transferred will receive full credit awarded by Vaughn College as shown in the accompanying table.
3. Associate's Degree graduates admitted under this agreement into Vaughn College will normally be able to complete the requirements for a Bachelor's Degree in four semesters of full-time work if the attached template is followed.
4. Upon transferring to Vaughn College, qualified Middlesex County College graduates will be awarded up to a maximum of 63 credits, subject to Vaughn College's specific program and/or institutional requirements.
5. Associate's Degree graduates transferring into the BSET General Electronics program at Vaughn College will, whenever possible, be provided with a projected junior and senior year schedule listing specific major requirements and upper-level general education requirements to be completed.

3. SCHOLARSHIP OPPORTUNITY

Vaughn commits to dedicating specific scholarships to Middlesex County College to those students accepted through this articulation agreement. Vaughn will provide a minimum of \$3000/yr. scholarship to Middlesex County

College students accepted through this articulation agreement who have achieved a 3.0 average or better. Vaughn will offer additional funds to those students who demonstrate high academic achievement.

4. PUBLICATION

Middlesex County College and Vaughn College will disseminate information about the articulation agreement and include information about the agreement in appropriate college publications. Vaughn College will provide transfer counselors and advisors at Middlesex County College with information concerning transfer opportunities for students wishing to attend Vaughn.

5. CHANGES

Neither party may change this agreement unilaterally. Proposed changes in policies or curricula by either party must be communicated in writing to the other party and agreed upon in consultation with relevant officials of each institution. Any changes agreed upon must be signed, dated, and attached to this agreement. Chairpersons, program directors and/or appropriate Deans at Middlesex County College and at Vaughn College will be responsible for notifying their counterparts of any program changes that might affect the transfer process.

6. NOTICE OF CANCELLATION

Either party may independently cancel this agreement by notifying the other party no less than one academic year before the intended date of cancellation.

7. PERIOD

This agreement is in effect for a period of 4 years from the date of signatures. This agreement must be reviewed every 4 years by an exchange of correspondence between the President of Vaughn College and the Vice-President for Academic and Student Affairs of Middlesex County College or their respective designees.

IN WITNESS WHEREOF, Vaughn College of Aeronautics and Technology and Middlesex County College have executed this agreement.

Date

Dr. John Fitzpatrick
President
Vaughn College of Aeronautics & Technology

Dr. Joann La Perla-Morales,
President
Middlesex County College

Dr. Sharon DeVivo
Senior Vice President
Vaughn College of Aeronautics & Technology

Dr. Karen L. Hays
Vice-President, Academic and Student Affairs
Middlesex County College

Dr. Hossein Rahemi
Department Chair, Engineering & Technology
Vaughn College of Aeronautics & Technology

Thomas Sabol
Department Chair, Engineering Technologies
Middlesex County College

Addendum 1.

| Middlesex County College | | Vaughn College | |
|--|----------------|--|----------------|
| <i>AAS Electrical Engineering Technology</i> | <i>Credits</i> | <i>BSET General Electronics</i> | <i>Credits</i> |
| <i>Course Number and Title</i> | <i>Values</i> | <i>Course Number and Title</i> | <i>Values</i> |
| Major Courses | 33 | | 31 |
| ELT 105 Foundations of Electrical and Electronics Tech | 4 | EET-115 Electrical Circuits 1 EET-116 Electrical Circuits 2 | 4 |
| ELT 110 Electrical/Electronic Devices and Circuits | 4 | EET-220 Electronic Circuits | 4 |
| ELT 223 Electronic Design and Manufacturing | 2 | EET-210 Electronic Lab Practices | 3 |
| EET 111 Digital Electronics | 3 | EET-125 Digital Electronics | 3 |
| ELT 226 Microcomputers | 3 | EET-326 Microprocessors | 3 |
| ELT 224 Communication Electronics | 3 | EET-230 Principles of Communication Systems | 3 |
| CSC 166 C++ Programming | 3 | ILT-101 Information Literacy | 1 |
| MCT 220 Robotics and Control Systems | 3 | EET350 Control Systems | 3 |
| ELT 239 Digital/Data Communications and Networking | 3 | OPC-445 Principles of Communication Networks | 3 |
| MEC 123 Technical Graphics/CAD I | 3 | CDE-117 Engineering Graphics/CAD | 3 |
| MCT 101 Intro to Technology | 2 | FYE 101 Freshman Year Experience | 1 |
| Math and Science | 16(+4) | | 20 |
| MAT 129A PreCalc Part A and Part B | 2+2 | MAT-115 Pre-Calculus | 4 |
| PHY 123 + 125 General Physics I + Lab | 3+1 | PHY-120 Physics 1 | 4 |
| PHY 124 + 126 General Physics II + Lab | 3+1 | PHY-220 Physics 2 | 4 |
| MAT 131A & B Calculus 1 | 2+2 | MAT-120 Calculus 1 | 4 |
| MAT-132 Calculus 2 * | (4*) | MAT-220 Calculus 2 | 3+1 |
| English and Social Sciences | 13 | | 12 |
| ENG 121 English Composition I | 3 | ENG-110 English 1 | 3 |
| ENG 122 English Composition II | 3 | ENG-120 English 2 | 3 |
| Social Science Elective (POS220) | 3 | POL-254 American Government | 3 |
| Humanities Elective (ENG 225 or 226) or (ENG 243 or 244) | 3 | ENG-210 or ENG-220 World or American Literature | 3 |
| PED Physical Education | 1 | | |
| Total Credits | 66 | Total Credits | 63 |

* Additional Courses to be taken at Middlesex or Vaughn College prior to the 5th semester

Addendum 2.

Suggested Course Sequence For Middlesex County College Students

After Transferring To Vaughn College

SEMESTER V

| | | | |
|--|----|---|----|
| Math Elective | 3 | 0 | 3 |
| EET345 Computer Control of Instruments (Lab View Programming) | 2 | 1 | 3 |
| EET240 Pulse Circuits | 2 | 1 | 3 |
| MAT445 Differential Equations | 3 | 0 | 3 |
| CDE385 CATIA Fundamentals | 2 | 1 | 3 |
| Semester total | 12 | 3 | 15 |

SEMESTER VI

| | | | |
|---|----|---|----|
| CDE386 CATIA for Wiring and Harnessing | 2 | 1 | 3 |
| EET355 Advanced Microprocessors and Peripherals | 2 | 1 | 3 |
| EGR460 Engineering Economics | 3 | 0 | 3 |
| EGR235 Mat. Science & Composites | 3 | 0 | 3 |
| PHY335 Physics 3/Optics | 3 | 0 | 3 |
| Semester total | 13 | 2 | 15 |

SEMESTER VII

| | | | |
|-------------------------------|----|---|----|
| HUM472 Practical Ethics | 3 | 0 | 3 |
| ENG220 American Literature | 3 | 0 | 3 |
| EGR380 Eng Project Management | 3 | 0 | 3 |
| Science Elective | 3 | 0 | 3 |
| Technical Elective | 3 | 0 | 3 |
| HIS141 Global Civilization | 3 | 0 | 3 |
| Semester total | 18 | 0 | 18 |

SEMESTER VIII

| | | | |
|--|----|---|----|
| ENG290 Public Speaking | 3 | 0 | 3 |
| EET475 Reliability and Maintainability | 3 | 0 | 3 |
| Liberal Arts Elective | 3 | 0 | 3 |
| DP409 Internship/Project | 3 | 0 | 3 |
| ENG240 Technical Writing | 3 | 0 | 3 |
| Semester total | 15 | 0 | 15 |