ARTICULATION AGREEMENT
BETWEEN
SUNY ORANGE
AND
VAUGHN COLLEGE OF AERONAUTICS AND TECHNOLOGY

This MEMORANDUM OF UNDERSTANDING entered this 14th day of May, 2009, between SUNY Orange, Associate in Applied Science in Electrical Technology - Telecommunications Program, and the Vaughn College of Aeronautics and Technology, Bachelor of Science in Electrical Technology - General Electronics Program.

WITNESSETH:

WHEREAS, the parties hereto are desirous to enter into an agreement for the purpose of articulating the SUNY Orange Associate in Applied Science in Electrical Technology - Telecommunications Program with the Vaughn College of Aeronautics and Technology, Bachelor of Science in Electronic Technology - General Electronics Program to minimize the repetition or duplication of time and effort of SUNY Orange students enrolling in the Vaughn College of Aeronautics and Technology, and thereby providing a cost/time-effective service to our students.

THEREFORE, agree as follows:

Effective May 14, 2009, the following conditions are acceptable to both parties.

1. The Department Chair at Vaughn College and respective staff at SUNY Orange will review these articulations on a regular basis to evaluate, update, and expand them as needed. This agreement shall remain in effect unless either party requests in writing that it be rescinded or amended.

2. Vaughn College will make the final decision as to enrollment of any students; at which point the terms of this AGREEMENT will be put into effect. In order to receive credit at Vaughn College, SUNY Orange student transferring to Vaughn College must:
   a. Complete a minimum of 57 credits at Vaughn College
   b. Meet the minimum GPA requirements (C or better), which will satisfy Vaughn College's core and proficiency requirements as specified in the attached template.
3. Where credit is awarded by Vaughn College under terms of this AGREEMENT, it shall be counted and apply towards the minimum total credits required to attaining a specific and appropriate degree awarded by Vaughn College. SUNY Orange 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.

   a. 64 is the maximum accepted credits from SUNY Orange towards a Bachelors Degree, subject to Vaughn College’s specific program and/or institutional requirements.
   b. 57 is the minimum number of credits to be taken at Vaughn College towards a Bachelors Degree

4. Assuming that the above criteria are met, the following credits will be awarded:

<table>
<thead>
<tr>
<th>SUNY Orange AAS Electrical Technology Course Number &amp; Title</th>
<th>Vaughn College of Aeronautics &amp; Technology BSET General Electronics Course Number &amp; Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EET 101 – Electrical Circuits</td>
<td>EET 105 – Electrical Circuits 1</td>
<td>4</td>
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<tr>
<td>EET 106 – Electrical Circuits 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EET 201 – Electronics 1</td>
<td>EET 220 – Electronic Circuits</td>
<td>4</td>
</tr>
<tr>
<td>EET 202 – Electronics 2</td>
<td>EET 210 – Electronic Lab Practice</td>
<td>3</td>
</tr>
<tr>
<td>EET 104 – Digital Electronics 1</td>
<td>EET 125 – Digital Electronics</td>
<td>3</td>
</tr>
<tr>
<td>EET 204 – Digital Electronics 2</td>
<td>EET 326 – Microprocessors</td>
<td>3</td>
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<tr>
<td>EET 110 – Computer Graphics and Applications</td>
<td>ILT 101 – Information Literacy</td>
<td>1</td>
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<tr>
<td>EET 230 – Internship</td>
<td>ISP 409 – Internship</td>
<td>3</td>
</tr>
<tr>
<td>EET 106 – Telecommunications 1</td>
<td>EET 230 – Technical Elective</td>
<td>4</td>
</tr>
<tr>
<td>EET 107 – Telecommunications 2</td>
<td>OPC 445 – Principles of Communication Networks</td>
<td>3</td>
</tr>
<tr>
<td>Math and Science</td>
<td>MAT 121 – College Algebra</td>
<td>4</td>
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<td>MAT 115 – Pre-calculus</td>
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<tr>
<td>English and Social Sciences</td>
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<tr>
<td>ENG 101 – Freshman English 1</td>
<td>ENG 110 – English 1</td>
<td>3</td>
</tr>
<tr>
<td>ENG 102 – Freshman English 2</td>
<td>ENG 120 – English 2</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>POL 254 – American Government</td>
<td>3</td>
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<td></td>
<td>Total Credits 64</td>
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</tbody>
</table>

*Additional courses to be taken at SUNY Orange or Vaughn College prior to the 3rd semester
### Suggested Course Sequence for SUNY Orange Students After Transferring to Vaughn College

#### Semester V
- CDE 117 – Engineering Graphics with CAD: 2 credits
- EET 345 – Computer Control of Instruments (Lab View Programming): 2 credits
- EET 350 – Control Systems: 2 credits
- EET 240 – Pulse Circuits: 2 credits
- MAT 445 – Differential Equations: 3 credits
- CDE 385 – CATIA Fundamentals: 2 credits
- **Semester Total:** 13 credits

#### Semester VI
- CDE 386 – CATIA for Wiring and Harnessing: 2 credits
- EET 355 – Advanced Microprocessors and Peripherals: 2 credits
- EGR 460 – Engineering Economics: 3 credits
- EGR 235 – Mat. Science & Composites: 3 credits
- PHY 335 – Physics 3/Optics: 3 credits
- **Semester Total:** 13 credits

#### Semester VII
- HUM 472 – Practical Ethics: 3 credits
- ENG 220 – American Literature: 3 credits
- Math Elective: 3 credits
- HIS 141 – Global Civilization: 3 credits
- **Semester Total:** 12 credits

#### Semester VIII
- ENG 290 – Public Speaking: 3 credits
- EET 475 – Reliability and Maintainability: 3 credits
- Liberal Arts Elective: 3 credits
- Science Elective: 3 credits
- **Semester Total:** 12 credits

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**By:**
- William Richards, Ph.D.
  - President
  - SUNY Orange

**By:**
- Richard Heppner
  - Interim VP for Academic Affairs
  - SUNY Orange

**By:**
- Fern Steane
  - Department Chair
  - SUNY Orange

**By:**
- Dr. John C. Fitzpatrick
  - Vaughn College of Aeronautics & Technology

**By:**
- Dr. Sharon B. DeVivo
  - VP for Academic and Student Affairs
  - Vaughn College of Aeronautics & Technology

**By:**
- Dr. Hossein Rahemi
  - Chair, Engineering & Technology Department
  - Vaughn College of Aeronautics & Technology