ARTICULATION AGREEMENT
for a
Bachelor of Science Degree in Aeronautical Technology (AERT)
between
Purdue Polytechnic-Indianapolis and Vincennes University

Statement of Intent

The purpose of this articulation agreement is to provide a basis for a cooperative relationship between the two institutions and to benefit prospective students who desire to complete a Bachelor of Science degree in Aeronautical Technology (AERT) at Purdue Polytechnic-Indianapolis. Such eligibility is subject to the conditions detailed below and in attachments to this agreement. In addition to formalizing this relationship, this document is intended to serve as planning and advising resource for prospective students and to faculty members and administrators who relate to them.

Principles Upon Which Articulation Is Based

a) The articulation initiatives are consistent with the Indiana Commission for Higher Education’s State Policy on Bachelor’s Degree Programs Offered at Public Institutions in Indiana.

b) Academic cooperation between Vincennes University and Purdue University faculty and administration in the School of Aviation & Transportation Technology program at Indianapolis has existed before and will continue in a spirit of collaboration that provides the basis for all articulation initiatives.

c) Potential students must complete and possess an Associate of Science degree from Vincennes University in Aviation Maintenance Technology or Aviation Flight Technology in Indianapolis prior to transferring to the Aeronautical Technology (AERT) program at the Purdue Polytechnic Indianapolis.

d) Matriculating students must meet the admission standards required by Purdue University for admission to the program, which includes a minimum 2.0 GPA.

e) In order to complete the AERT Bachelor of Science degree in four years, Vincennes University students may need to take additional courses each term in which they are enrolled, including summer sessions. The requirement for this will vary from student to student, contingent upon the courses completed while enrolled at Vincennes University that qualify for transfer to the Purdue plan of study.

f) Each institution will provide the other with current catalogs, program outlines, and course descriptions. When appropriate and to the extent possible, Vincennes University will make it possible for Purdue faculty and/or admission counselors to meet with prospective transfer students to explain transfer opportunities.
g) Recognizing that changes in curricula and course content are inevitable, both institutions agree to discuss with the partner institution all curriculum changes affecting this agreement before those changes are implemented.

**Specifcs of Articulated Programs**

1. *Curriculum and Course Articulation*

   a) For purposes of articulation, the Vincennes University technology courses must be equivalent to Purdue University technology courses. These courses form the lower division course work for the B.S. degree in Aeronautical Technology. Specific courses meeting these requirements are found in the attached list.

   b) Other credits, including technical credits, not counted toward specific general education requirements or Aeronautical Technology program requirements, may be accepted as undistributed elective credit and will be considered for acceptance by the School of Aviation & Transportation Technology on the same evaluative basis used in transferring credits from other accredited colleges and universities.

   c) Some of the transfer credits from Vincennes University may not count toward Purdue University's graduation requirements; for example, 30000 level courses transferred from Vincennes to Purdue will not count toward the 32 credit hour upper division requirement.

   d) Vincennes University students transferring to the Purdue Polytechnic AERT program will be required to complete 32 credits of 30000 and 40000 level courses while enrolled as Purdue students. Credit for 30000 and 40000 level courses that transfer from Vincennes to Purdue will not meet this requirement. A student MUST be enrolled as a Purdue student when earning this credit.

2. *Faculty Credentials*

   a) Vincennes University faculty will conform to the required college standard for instructional faculty credentials.

   b) These credentialing requirements apply to full-time regular faculty as well as to temporary and/or adjunct faculty.

3. *Course Transfer and Grandfathering*

   a) Courses completed by Vincennes University students prior to the implementation of this articulation agreement will be evaluated for transfer credit on a course-by-course basis, consistent with the prescribed policies and practices of the Purdue Polytechnic Indianapolis.

   b) A course grade of "C-" or better must be earned at Vincennes University for that credit to be accepted at Purdue University.
4. **Means of Course Transfer**

a) All students transferring course credit from Vincennes University to Purdue University will do so via official transcripts.

5. **Program Review**

a) Purdue University - West Lafayette reserves the right to periodically review the Vincennes University programs and courses, as they relate to this articulation agreement.
Effective Date, Amendment, and Termination

a) Terms of this articulation agreement will be effective beginning Spring semester, 2017.

b) Each institution will inform the other, through the heads or associate heads of the respective academic unit, of any institutional plans or changes that have impact upon the points of this articulation prior to implementing those plans or changes.

c) Written notice of intention to terminate or withdraw from this articulation agreement will be submitted by the academic head of either institution not less than one calendar year prior to the proposed date of termination/withdrawal.

d) This articulation agreement will be in force when the conditions specified herein have been met.

Agreed to this 1st day of December 2016:

John H. Mott
Associate Head
School of Aviation & Trans. Technology
Purdue University, West Lafayette

Michael D. Gehrich
Director, Aviation Technology Center
Vincennes University

Gary R. Bertoline
Dean, Purdue Polytechnic Institute
Purdue University, West Lafayette

Dean K. Ackerman
Interim Dean, Technology Division
Vincennes University

Candiss Vibbert
Associate Provost for Special Initiatives
Purdue University

Laurel A. Smith
Interim Provost
Vincennes University
Aeronautical Technology
Purdue Polytechnic Institute

Departmental/Program Major Courses (111 credits)

Required Major Courses¹ (59 credits) (See Supplemental Information)

(1) AT 10000 Introduction to Aviation Technology
(3) AT 10200 Aviation Business
(3) AT 10300 Aerospace Vehicle Propulsion and Tracking Systems
(3) AT 10600 Basic Aircraft Science
(4) AT 14400 Private Pilot Lectures
(3) AT 20200 Aerospace Vehicle Systems Design, Analysis and Operations
(3) AT 20300 Aviation Operations Management
(3) AT 49800 AT Capstone
(36) AOT Selectives² (See Supplemental Information)

Other Departmental /Program Course Requirements (52 credits)

(3) Humanities Foundational Selective³ (satisfies Human Cultures: Humanities for core)
(3) Behavioral/Social Science Foundational Selective⁴ (satisfies Human Culture: Behavioral/Social Science for core)
(3) TECH 12000 – Technology and the Individual (satisfies Science, Technology, & Society for core)⁵
(4) PHYS 21800 – General Physics (satisfies Science Selective for core)
(3) Science Foundational Selective⁶ (satisfies Science Selective for core) – PHYT 101 & 101L – Technical Physics
(3) English Composition Selective⁷ (satisfies Written Communication for core) – ENGL 101 – English Composition I
(3) COM 11400 – Fundamentals of Speech Communication⁸ (satisfies Oral Communication for core) – COMM 143 - Speech
(3) MA 15300 – Algebra & Trig ⁹ (satisfies Quantitative Reasoning Selective for core) – MATH 102 – College Algebra
(3) MA 15800 – Precalculus
(3) Economics Selective¹⁰ – ECON 208 – Personal Finance Management
(3) Advanced English Selective¹¹
(3) Technical Communications Selective¹²
(3) STAT 30100 – Elementary Statistical Methods (satisfies Information Literacy Selective for core)
(12) Any University-approved minor or departmentally-approved thematic area of study¹³
(0) Globalization¹⁴

Free Electives (9 credits)

(3) ____________ (3) ____________ (3) ____________

University Core Requirements

Human Cultures

Humanities

Behavioral/Social Science

Information Literacy

Science Selective

Science Selective

☐ UCC Selective

☐ UCC Selective

☐ STAT 30100

☐ PHYS 21800

☐ PHYS 21400 (PHYT 101 & 101L)

Science, Technology & Society Selective

Written Communication

Oral Communication

Quantitative Reasoning

☐ TECH 12000

☐ ENGL 10100 (ENGL 10100)

☐ COM 11400 (COMM 143)

☐ MA 15300 (MATH 102)

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The student is ultimately responsible for knowing and completing all degree requirements.

MyPurduePlan is knowledge source for specific requirements and completion.

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• Purdue policy states that a student may attempt registration in a course no more than three times. An attempt is defined as all courses displayed on a student transcript having grades of (including, but not limited to) A, B, C, D, E, F, W, WF, I and IF.
• 120 semester credits required for Bachelor of Science degree.
• 2.0 Graduation GPA required for Bachelor of Science degree.
• NOTE: Students must take 32 credit hours of 30000 or 40000 level classes while a PURDUE student - this is REQUIRED.
### Aeronautical Technology (201720)

#### FIRST SEMESTER

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<tr>
<th>Course</th>
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<tr>
<td>AT 10000 - Introduction to Aviation Technology</td>
<td>(1/4) AMNT 164 (1/5) AFLT 100</td>
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<tr>
<td>AT 10600 - Basic Aircraft Science</td>
<td>(3/4) AMNT 102 (3/3) AFLT 181</td>
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<td>AOT Selective (2) AT 30300 – Aircraft Service</td>
<td>(2/4) AMNT 264</td>
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<tr>
<td>MA 15300 – Algebra &amp; Trig I</td>
<td>(3/3) MATH 102</td>
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<tr>
<td>AOT Selective (3) AT 26502 – Aircraft Electrical Systems</td>
<td>(3/4) AMNT 104 (2/3) AFLT 105 (1/2) AFLT 170</td>
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<tr>
<td>(2) AT 14500 – Private Pilot Flight</td>
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<td>(1) AT 24500 – Cross-Country Flight</td>
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<td>English Composition Selective</td>
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#### SECOND SEMESTER

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<td>AT 10300 - Aerospace Vehicle Propulsion</td>
<td>(3/4) AMNT 202 (2/2) AFLT 160 &amp; (1/2) AFLT 205</td>
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<tr>
<td>(3) AT 27200 – Introduction to Composite Technology</td>
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<td>(2) AT 24300 – Commercial Flight I</td>
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<td>(1) AT 21000 – Ground Trainer</td>
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<tr>
<td>AOT Selective (3) AT 30802 – Aircraft Materials Processes</td>
<td>(3/4) AMNT 106 (2/3) AFLT 176 (1/2) AFLT 296</td>
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<td>(2) AT 25300 – Instrument Flight</td>
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<td>(1) AT 35300 – Multiengine Flight</td>
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<tr>
<td>AOT Selective (4) AT 18700 – Aircraft Propulsion &amp; Operating Systems</td>
<td>(4/4) AMNT 207</td>
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<td>(3/3) ECON 208</td>
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<td>Science Foundational Selective (3) PHYS 21400 – The Nature of Physics</td>
<td>(3/3) PHYT 101 &amp; 101L</td>
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<td>AOT Selective (3) AT 33502 – Avionics Systems</td>
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<td>AT 14400 – Private Pilot Lectures</td>
<td>(4/5) AFLT 100</td>
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<td>Thematic Area Selective (3) AT 20802 – Aircraft Materials</td>
<td>(3/4) AMNT 162</td>
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<td>(AT 10600 or AT 14400 is prerequisite)</td>
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<td>COM 11400 - Fundamentals of Speech Communication (3)</td>
<td>(3/3) COMM 143</td>
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<tr>
<td>(3) AT 36302 – Fundamentals of Powerplant Systems</td>
<td>(3/4) AMNT 206 (2/2) AFLT 261 &amp; (3/3) AFLT 263 (1/2) AFLT 292</td>
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<td>(2) AT 35200 – Flight Instructor Lectures</td>
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<td>(1) AT 36800 – Aerobatic Flight</td>
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<td>Thematic Area Selective (3) AT 37000 – Aircraft Gas Turbine Engine Technology I</td>
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<td>AT 24900 – Instrument Flight Lectures</td>
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<td>(3) AT 37002 – Advanced Aircraft Powerplants</td>
<td>(3/4) AMNT 204 (3/5) AFLT 221</td>
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<td>(3) AT 24900 – Instrument Flight Lectures</td>
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<td>AT 10200 - Aviation Business</td>
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<td>MA 15800 – Precalculus</td>
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<td>STAT 30100 – Elementary Statistical Methods**</td>
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<tr>
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<td>AT 49800 – AT Capstone**</td>
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<td>Technical Communication Selective**</td>
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<td>Humanities Foundational Selective*</td>
<td>(See Supplemental Page)</td>
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<tr>
<td>Behavioral/Social Science Found. Selective*</td>
<td>(See Supplemental Page)</td>
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<td>Globalization**</td>
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*VU Flight Students must take 32 credit hours of 30000 or 40000 level classes while a PURDUE student - this is REQUIRED.

**VU Maintenance Students must take 32 credit hours of 30000 or 40000 level classes while a PURDUE student - this is REQUIRED.
Courses that are ORANGE represent the VU Maintenance feeder A.S. degree courses that VU students will transfer in. Courses that are TEAL represent the VU Flight feeder A.S. degree courses that VU students will transfer in. Courses that are BLUE represent the courses that BOTH feeder A.S. degree courses that VU students will transfer in. Courses that are PURPLE represent the 30000 level and 40000 level courses that VU students will take as Purdue students.

2Required Major Courses
AT 10000 – Introduction to Aviation Technology – (1) AMNT 164 – Aircraft Systems or (1) AFLT 100 – Primary Ground School
AT 10300 – Aerospace Vehicle Propulsion and Tracking Systems – (3) AMNT 202 – Powerplant Fuel & Induction Systems or (2) AFLT 160 – Powerplant Lecture & (1) AFLT 205 – Advanced Simulation
AT 10600 – Basic Aircraft Science – (3) AMNT 102 – General Aviation Maintenance or (3) AFLT 181 – Commercial Ground School
AT 14400 – Private Pilot Lectures – (4) AFLT 100 – Primary Ground School
AT 20200 – Aerospace Vehicle Systems Design, Analysis and Operations – (3) AMNT 164 – Aircraft Systems or (1) AFLT 205 – Advanced Simulation & (2) AFLT 210 – Instrument Radios & Systems

2AOT Selectives – Possible Selectives listed below:
(3) AT 26502 Aircraft Electrical Systems – (3) AMNT 104 – Introduction to Electricity
(3) AT 30802 Aircraft Materials Processes – (3) AMNT 106 – Materials, Processes, & Welding
(3) AT 26300 Fluid Power Systems – (3) AMNT 107 – Hydraulics & Pneumatics
(3) AT 20802 Aircraft Materials – (3) AMNT 162 – Aircraft Sheetmetal
(3) AT 27200 Introduction to Composite Technology – (3) AMNT 166 – Composite and Nonmetallic Structures
(3) AT 33502 Avionics Systems – (3) AMNT 167 – Aircraft Electrical
(3) AT 37002 Advanced Aircraft Powerplants – (3) AMNT 204 – Reciprocating Engine Overhaul
(3) AT 36302 Fundamentals of Powerplant Systems – (3) AMNT 206 – Powerplant Systems & Propellers
(4) AT 18700 Aircraft Propulsion and Operating Systems – (4) AMNT 207 – Powerplant Electrical
(3) AT 36700 Aircraft Gas Turbine Engine Technology I – (3) AMNT 262 – Turbine Engines
(2) AT 30300 Aircraft Service – (3) AMNT 264 – Aircraft Engine Installation & Troubleshooting
(3) AT 37200 Aircraft Maintenance Practices – (3) AMNT 266 – Aircraft Inspection

NOTE: An additional 6 credit hours of AOT Selectives MUST be taken at the 30000 or 40000 level.

(2) AT 14500 Primary Flight – (2) AFLT 105 – Primary Flight
(2) AT 24300 Commercial Flight I – (2) AFLT 186 – Commercial Flight
(1) AT 21000 Ground Trainer – (1) AFLT 205L – Advanced Simulation Lab
(1) AT 24500 Cross-Country Flight – (1) AFLT 170 – Cross Country Flight
(2) AT 24800 Commercial Flight II – (2) AFLT 216 – Commercial Flight II
(3) AT 24900 Instrument Flight Lectures – (3) AFLT 221 – Instrument Ground School
(2) AT 25300 Instrument Flight – (2) AFLT 176 – Instrument Flight
(2) AT 35200 Flight Instructor Lectures – (2) AFLT 261 – Aviation Instructor Fundamentals & (3) AFLT 263 – Flight Training Techniques
(1) AT 35300 Multiengine Flight – (1) AFLT 296 – Advanced Flight
(1) AT 36500 Instrument Flight Instructor Flight – (1) AFLT 280 – Instrument Flight Instruction Airplane
(1) AT 36800 Aerobatic Flight – (1) AFLT 292 – Precision Flight Maneuvers

NOTE: An additional 18 credit hours of AOT Selectives MUST be taken at the 30000 or 40000 level.

3Humanities Foundational Selective (3 credits) *NOTE: the VU Maintenance students MUST take a 30000 or 40000 level humanities course when they transfer to Purdue to meet the 32 upper division requirement.
HIST 30400 – America in the 1960s
HIST 35100 – The Second World War
HIST 35400 – Women in America to 1870
HIST 37500 – Women in America since 1870
HIST 38200 – American Constitutional History
HIST 38300 – Recent American Constitutional History
HIST 39400 – Environmental History of the United States
HIST 39600 – The Afro-American to 1865
HIST 39800 – The Afro-American since 1865

PHIL 111 – Intro to Philosophy (PHIL 11000 – Introduction to Philosophy)
PHIL 212 – Intro to Ethics (PHIL 11100 – Ethics)
HIST 139 – American History I (HIST 15100 – American History to 1877)
Behavioral/Social Science Foundational Selective (3 credits) *NOTE: the VU Maintenance students MUST take a 30000 or 40000 level behavioral/social science course when they transfer to Purdue to meet the 32 upper division requirement.
PSY 31800 – Problem Solving & Decision Making
PSY 33500 – Stereotyping and Prejudice
PSY 35000 – Abnormal Psychology

POLS 111 – American National Government (POL 101000 – American Government)
POLS 211 – Intro to World Politics (POL 13000 – Intro to International Relations)
POLS 220 – Public Administration (POL 12000 – Intro to Public Policy & Public Administration)
PSYC 101 – Intro to Psychology (PSY 12000 – Elementary Psychology)
SOC 154 – Cultural Anthropology (ANTH 10000 – Intro to Anthropology)

Science Foundation Selective (satisfies Science Selective for core, 3 credits)
PHYT 101 & PHYT 101L – Technical Physics (PHYS 21400 – The Nature of Physics)

English Composition Selective (satisfies Written Communication for core, 3 credits)
ENGL 101 – English Composition I (ENGL 10100 – English Composition I)

Oral Communication Selective (satisfies Oral Communication for core, 3 credits)
COMM 143 – Speech (COM 11400 Fundamentals of Speech)

MA 15300 – Algebra & Trig I (satisfies one of the Quantitative Reasoning for core) (3 credits)
MATH 102 – College Algebra

Economics Selective
ECON 208 – Personal Financial Management (CSR 34200 – Personal Finance)

Advanced English Selective (3 credits)
ENGL 42100 – Technical Writing

Technical Communication Selective (3 credits)
COM 31500 – Speech Communication of Technical Information
COM 32000 – Small Group Communication
COM 32400 – Introduction to Organizational Communication
COM 41500 – Discussion of Technical Problems

Thematic Area Selective Requirement (12 credits)
6 credit hours of 20000 or higher-level courses AND 6 credit hours of 30000 or higher-level courses from any of the following departments: AT, IT, OLS

Globalization Requirement
Due to the international nature of the aviation industry, all B.S. degree students must meet the department’s globalization requirement through one of the following options:
- Complete any university-sponsored study abroad program lasting at least 7 days
- Complete an internship or approved international research project that involves at least 7 days of international travel
- 12 consecutive credit hours in one Foreign Language
- Provide documentation of having lived/traveled outside the U.S. for at least 15 days after a student’s 12th birthday