

**Articulation Agreement for  
Northern Virginia Community College  
Associate of Science in Science  
and  
James Madison University**

**Bachelor of Science of Integrated Science and Technology**

**1. Introduction**

James Madison University and Northern Virginia Community College recognize the need and importance of facilitating the transfer of students from one institution to the other as they pursue their educational goals. Therefore, James Madison University (JMU) and Northern Virginia Community College (NVCC) enter into this guaranteed admission agreement for the purpose of articulating policies and procedures governing the matriculation of NVCC graduates holding the Associate of Science Degree in Science into the College of Integrated Science and Technology's Department of Integrated Science and Technology (ISAT) Bachelor of Science degree program at JMU.

**2. Student Eligibility and Admission Requirements**

- 2.1 A student who has met the criteria for the NVCC-JMU Guaranteed Admission Agreement and has completed the A.S. degree as outlined in the NVCC catalog and has met the requirements listed in sections 2.1.1–2.1.2 below qualifies for guaranteed admission into the College of Integrated Science and Technology at JMU in the Department of Integrated Science and Technology as an ISAT major with junior standing.
  - 2.1.1 The student has earned a minimum curriculum grade point average of 3.0 on a 4.0 scale.
  - 2.1.2 The student has earned a grade of C or better in all science courses and technical electives.
- 2.2 A student who follows the curriculum stated in the current JMU undergraduate catalog will qualify to meet graduation requirements for the B.S. in ISAT degree, which is normally completed within eight full-time semesters, combined, at NVCC and JMU. In particular, students must meet the following JMU requirements:
  - 2.2.1 The student must complete the minimum number of semester hours for a B.S. degree and the minimum number of hours required at a four year institution.
  - 2.2.2 The student must meet grade point average requirements.
  - 2.2.3 The student must satisfy remaining competency requirements, such as the Honor Code test.
  - 2.2.4 The student must meet the residence requirement.

### **3. Student Status and Course Credit**

- 3.1 Qualifying students are guaranteed admission to the College of Integrated Science and Technology at JMU in the Department of Integrated Science and Technology as ISAT majors with junior standing.
- 3.2 Students entering the ISAT major under the conditions of this agreement as stated in section 2 will have the following JMU requirements satisfied:
  - 3.2.1 JMU General Education requirements will be satisfied.
  - 3.2.2 The JMU Bachelor of Science degree quantitative and scientific literacy requirements will be satisfied.
  - 3.2.3 Students will be required to take ISAT 131, 211, 231, and 253 at JMU to fulfill ISAT Foundation class requirements. GISAT 112, 113, 151, and 251 and ISAT 152, 212, and 252 will be waived in the ISAT Program because students will take equivalent classes at NVCC.
- 3.3 Students obtaining an Associate of Arts or Associate of Science degree who do not meet the ISAT admission requirements as stated in section 2 may still declare the ISAT major at JMU, but they will not enter with junior standing in ISAT. Consequently, they may not be able to complete degree requirements in four semesters.
- 3.4 Students admitted to JMU from NVCC will be eligible for merit scholarships based upon academic performance, as well as other forms of financial aid.

### **4. Responsibilities of the Parties**

During the period of this agreement, JMU agrees to do the following tasks.

- 4.1 Publish annually a transfer guide and a guide to course equivalencies for NVCC students to use in planning their programs of study.
- 4.2 Provide annually to NVCC data about the academic performance of students who transfer under this agreement as compared to the academic performance of JMU native ISAT students.

During the period of this agreement, NVCC agrees to do the following tasks.

- 4.3 Publicize this agreement to its students, faculty and administration.
- 4.4 Review the data provided from section 4.2 and consider making adjustments to the NVCC CS curriculum as appropriate.

### **5. Institutional Cooperation**

During the period of this agreement, both institutions agree to do the following tasks.

- 5.1 Monitor the academic performance of students enrolling under this agreement, identify problems, and work cooperatively to adjust details of course sequence and content so that students can transfer without academic interruptions.
- 5.2 Notify each other concerning any contemplated curricular changes that would affect the status of this agreement.

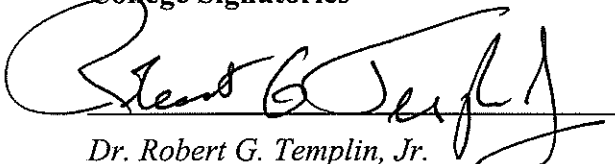
5.3 Jointly develop and publish an annual four year plan modeled on the attached 2007-2008 four year plan. Each four year plan will be based on the current JMU and NVCC catalogs and detail the course requirements for completing the Associate's Degree and Bachelor's Degree programs at NVCC and JMU respectively.

## 6. Period of Application of the Agreement


- 6.1 The terms of this articulation agreement shall be effective \_\_\_\_, 2008 and shall continue in effect unless terminated as stipulated in the following paragraph.
- 6.2 Either party to this agreement may withdraw from this agreement by providing written notice to the appropriate parties. The following persons must be notified one year in advance of their intention to withdraw: Dean of the College of Integrated Science and Technology at JMU and the President of NVCC.

Agreed by the parties on the 1<sup>st</sup> day of July 2008.

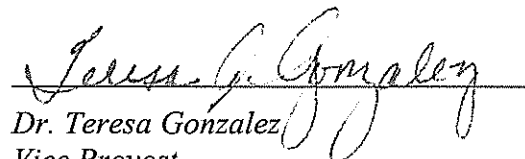
### Northern Virginia Community College Signatories

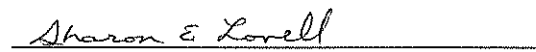
  
Dr. Robert G. Templin, Jr.  
President


  
Dr. John T. Dever  
Executive Vice President

  
Dr. Sharon N. Robertson  
Associate Vice President for Academic  
Services

### James Madison University Signatories

  
Dr. Teresa Gonzalez  
Vice Provost

  
Dr. Sharon Lovell  
Dean of the College of Integrated  
Science and Technology

  
Dr. Pauline Cushman  
Head of Integrated Science and  
Technology Department

Suggested Courses for NVCC Students who Plan to Transfer to JMU's ISAT Program

Term	Course	Credits
Freshman Fall	BIO 101 General Biology I (includes lab)	4
	ENG 111 College Composition I	3
	CSC 110 Introduction to Computing	3
	MTH 173 Calculus with Analytic Geometry I	5
	Humanities/fine arts Elective (see approved list)	3
	Total Credits	18
Freshman Spring	ENG 112 College Composition II	3
	MTH 174 Calculus with Analytic Geometry II	5
	PHY 231 General University Physics I (includes lab)	5
	Social Science Elective	3
	Total Credits	16
	Total Credits for Freshman Year	31
Sophomore Fall	CHM 111 College Chemistry I (includes lab)	4
	HIS Elective in Western Civ or US History	3
	MTH 241 Statistics I	3
	PHY 232 General University Physics II (includes lab)	5
	Total Credits	15
Sophomore Spring	BIO 206 Cell Biology (includes lab)	4
	BIO 102 General Biology II OR CHM 112 College Chemistry II	4
	HIS Elective in Western Civ or US History	3
	Humanities/fine arts Elective	3
	Elective	3
	Total Credits	17
	Total Credits for Sophomore Year	32
	Total Credits at NVCC	63

### ISAT Junior and Senior Year Courses

Transfer students can easily complete the required courses for the ISAT degree in two years. Seats in ISAT classes are guaranteed for ISAT majors. ISAT 131, 211, and 231 are usually offered in the summer for students who want to get an early start.

Term	Course	Credits
Junior Fall	ISAT Sector 1 Lecture	3
	ISAT Sector 1 Lab	1
	ISAT Sector 2 Lecture	3
	ISAT Sector 2 Lab	1
	ISAT Sector 3 Lecture	3
	ISAT Sector 3 Lab	1
	ISAT 211 Intro to Modern Production	3
	Total 13-14 credits because most students take only 1 or 2 labs per semester	
Junior Spring	ISAT Sector 1 Lecture	3
	ISAT Sector 1 Lab if not taken in the fall	1
	ISAT Sector 2 Lecture	3
	ISAT Sector 2 Lab if not taken in the fall	1
	ISAT Sector 3 Lecture	3
	ISAT 491 Senior Project I	1
	ISAT 253 Instrumentation & Measurement	3
	Total 13-14 credits	
Senior Fall	ISAT 231 Pol. Econ. Of Technology & Science	3
	ISAT Concentration Course 1	3
	ISAT Concentration Course 2	3
	ISAT 492 Senior Project 2	2
	Elective	3
	Total	14

Senior Spring	ISAT 493 Senior Project 3	3
	ISAT Concentration Course 3	3
	ISAT Concentration Course 4	3
	ISAT 131 Connections I	3
	Elective	3
	Total	15
Total taken at JMU		57

#### Remaining University requirements

Honor Code Test

At least 120 total credit hours with a cumulative gpa of at least 2.0

At least 60 credit hours from a four year institution.

A gpa of at least 2.0 in ISAT or ISAT required courses.

Enrollment at JMU for at least 2 semesters and at least 30 credit hours earned at JMU.

Enrollment at JMU in the semester that degree requirements are satisfied.