



# National AOIT\* Information Resource Design Option—Program of Study

<b>HIGH SCHOOL CLASSES</b>	<b>9</b>	English	Mathematics	Science	Social Studies	Foreign Language	Physical Education	<b>Select one:</b> ♦ Discovering Programming Concepts A/B ♦ Computer Programming 1 A/B (Advanced Level) ♦ Advanced Software Applications by Design A/B
	<b>Entrepreneurship and Business Management A/B and Financial Management are highly recommended courses.</b>							
	<b>10</b>	English	Mathematics	Science	Social Studies	Foreign Language	Health (.5) Personal Finance(.5)	<b>At least one credit from the following:</b> ♦ Advanced Software Applications by Design A/B ♦ Discovering Programming Concepts A/B ♦ Computer Programming 1 A/B (Advanced Level) ♦ Website Development A/B
	<b>11</b>	English	Mathematics	Science	Social Studies	Technology Education Credit	Fine Arts	<b>At least one credit from the following:</b> ♦ Computer Programming 2 A/B(AP) ♦ Advanced Web Tools and Digital Media A/B
	<b>National Academy Foundation requires a six to eight week paid internship and College Information Technology A/B..</b>							
<b>12</b>	English	Mathematics		Entrepreneurship and Business Management A/B	Internship-NAF A/B	College Information Technology (Advanced Level)	<b>At least one credit from the following:</b> ♦ AOIT Guided Research A/B ♦ Advanced Web Tools and Digital Media A/B ♦ Database Administration Programming A/B	

♦ = These courses articulate to Montgomery College \*AOIT=Academy of Information Technology NAF=National Academy Foundation

**High Schools offering this program:** Damascus, Gaithersburg, Seneca Valley, Springbrook, Wheaton, T. S. Wootton

**Articulate up to 28 credits in AOIT Information Resource Design with a grade of B or better for a tuition savings of \$3,987 at Montgomery College.**

## Requirements for 2011-2012 AOIT Information Resource Design Program of Study Completion

### 3 credits A

- Discovering Programming Concepts A/B
- Computer Programming 1A/B (Advanced Level)
- Computer Programming 2A/B (AP)
- Advanced Software Apps by Design A/B
- Website Development A/B



### 1 credit B

- Advanced Web Tools and Digital Media A/B (Advanced Level)
- Database Administration Programming A/B (Advanced Level)
- College-Information Technology (Advanced Level)
- National Academy Foundation Internship (Advanced Level)
- AOIT Guided Research A/B (Advanced Level)

For more information, go to: <http://www.montgomeryschoolsmd.org/departments/cte/toolkit/ClusterInfo/IT/index.shtm>.