



# Applications Development Focus Check Sheet

## AAS Degree - 63 Semester Credits

### Full-Time (Day and Online)

#### Fall Semester Start

Fall Semester	Cr
<input type="checkbox"/> BSAD1010 Microsoft Applications I from GELO #6	3.0
<input type="checkbox"/> INFO1151 IT Fundamentals	3.0
<input type="checkbox"/> INFO1171 PC Operating Systems (Co: BSAD1010)	3.0
<input type="checkbox"/> INFO1214 Programming Concepts (Co: 1151, 1171)	2.0
<input type="checkbox"/> INFO1281 Networking Concepts (Co: 1151, 1171)	2.0
<b>13.0</b>	

Spring Semester	Cr
<input type="checkbox"/> INFO1411 Database Concepts (Pre: 1151, 1171, BSAD1010)	3.0
<input type="checkbox"/> INFO1414 Java (Pre: 1151, 1171, 1214; Co: 1411, MATH)	4.0
<input type="checkbox"/> INFO1434 C#.NET (Pre: 1151, 1171, 1214; Co: 1411, MATH)	4.0
<input type="checkbox"/> Math Choice of MATH1040 or higher from GELO #5	3.0
<b>14.0</b>	

Summer Term	Cr
<input type="checkbox"/> INFO1431 Web Page Fundamentals (Pre: 1151, 1171)	3.0
<input type="checkbox"/> English Choice from GELO #2	3.0
<b>6.0</b>	

Fall Semester	Cr
<input type="checkbox"/> INFO2411 Adv Database & SQL (Pre: 1411)	3.0
<input type="checkbox"/> INFO2431 JavaScript & jQuery (Pre: 1431, MATH & 1414 OR 1434)	3.0
<input type="checkbox"/> INFO2514 Java Server (Pre: 1411, 1414, 1431, MATH)	3.0
<input type="checkbox"/> INFO2534 ASP.NET (Pre: 1411, 1431, 1434, MATH)	3.0
<input type="checkbox"/> Speech Choice from GELO #1	3.0
<b>15.0</b>	

Spring Semester	Cr
<input type="checkbox"/> INFO2574 Adv Prog Using VB (Pre: 1411, 1434, MATH)	3.0
<input type="checkbox"/> INFO2584 Mobile Device Prog (Pre: 2431)	3.0
<input type="checkbox"/> INFO2644 PC Capstone (Pre: 2431, 2514, 2534)	4.0
<input type="checkbox"/> INFO Advisor approved elective	2.0
<input type="checkbox"/> Gen Ed Choice from GELO #3 or GELO #4	3.0
<b>15.0</b>	

**Total Credits 63.0**

#### Spring Semester Start

Spring Semester	Cr
<input type="checkbox"/> BSAD1010 Microsoft Applications I from GELO #6	3.0
<input type="checkbox"/> INFO1151 IT Fundamentals	3.0
<input type="checkbox"/> INFO1171 PC Operating Systems (Co: BSAD1010)	3.0
<input type="checkbox"/> INFO1214 Programming Concepts (Co: 1151, 1171)	2.0
<input type="checkbox"/> INFO1281 Networking Concepts (Co: 1151, 1171)	2.0
<b>13.0</b>	

Summer Term	Cr
<input type="checkbox"/> INFO1411 Database Concepts (Pre: 1151, 1171, BSAD1010)	3.0
<input type="checkbox"/> Math Choice of MATH1040 or higher from GELO #5	3.0
<b>6.0</b>	

Fall Semester	Cr
<input type="checkbox"/> INFO1414 Java (Pre: 1151, 1171, 1214; Co: 1411, MATH)	4.0
<input type="checkbox"/> INFO1431 Web Page Fundamentals (Pre: 1151, 1171)	3.0
<input type="checkbox"/> INFO1434 C#.NET (Pre: 1151, 1171, 1214; Co: 1411, MATH)	4.0
<input type="checkbox"/> English Choice from GELO #2	3.0
<b>14.0</b>	

Spring Semester	Cr
<input type="checkbox"/> INFO2411 Adv Database & SQL (Pre: 1411)	3.0
<input type="checkbox"/> INFO2431 JavaScript & jQuery (Pre: 1431, MATH & 1414 OR 1434)	3.0
<input type="checkbox"/> INFO2514 Java Server (Pre: 1411, 1414, 1431, MATH)	3.0
<input type="checkbox"/> INFO2534 ASP.NET (Pre: 1411, 1431, 1434, MATH)	3.0
<input type="checkbox"/> Speech Choice from GELO #1	3.0
<b>15.0</b>	

Fall Semester	Cr
<input type="checkbox"/> INFO2574 Adv Prog Using VB (Pre: 1411, 1434, MATH)	3.0
<input type="checkbox"/> INFO2584 Mobile Device Prog (Pre: 2431)	3.0
<input type="checkbox"/> INFO2644 PC Capstone (Pre: 2431, 2514, 2534)	4.0
<input type="checkbox"/> INFO Advisor approved elective	2.0
<input type="checkbox"/> Gen Ed Choice from GELO #3 or GELO #4	3.0
<b>15.0</b>	

**Total Credits 63.0**

Prerequisite and Co-requisite courses are shown in parentheses. Prerequisites must be taken BEFORE you can enroll in a specified course; co-requisites can be taken BEFORE OR AT THE SAME TIME. A grade of C or higher is required for all INFO prerequisites and co-requisites. A grade of D is acceptable in courses from the GELO requirements. If you do not successfully complete certain courses as listed in the sequencing, it may take additional terms to complete the degree.

“Advisor approved elective” can be any INFO course (except INFO1005) not listed as a requirement in the focus.

## General Education (GELO) Courses

### GELO #1 Oral Communication

SPCH1090 Fundamentals of Human Communication  
SPCH1110 Public Speaking  
SPCH2810 Business & Professional Communication

### GELO #2 Written Communication

ENGL1010 English Composition I  
ENGL1010H Composition I Honors  
ENGL1110 Business Communication

### GELO #3 Critical Thinking and Problem Solving

(Note the same MATH course cannot count in GELO #5 and GELO#3)

ARTS1010 Introduction to the Visual Arts  
ANTH1120 General Anthropology  
BIOS1010 General Biology  
BIOS1140 Human Anatomy & Lab  
BIOS2130 Human Physiology & Lab  
BIOS2250 Human Anatomy & Physiology I  
BIOS2460 Microbiology  
BSAD2540 Principles of Management  
CHEM1050 Chemistry & the Citizen  
ECON1200 Personal Finance  
ECON2110 Principles of Macroeconomics  
ECON2120 Principles of Microeconomics  
ENGR1020 MATLAB Programming & Problem Solving  
ENTR1050 Introduction to Entrepreneurship  
GEOG1020 World Regional Geography  
GEOG1400 Human Geography  
GEOL1010 Physical Geology  
GEOL1060 Environmental Geology  
HIST2010 American History I  
HIST2020 American History II  
HIST2100 World History to 1500 CE  
HIST2110 World History since 1500 CE  
HUMS1100 Introduction to Humanities  
MATH1020 Technical Math  
MATH1300 Precalculus  
MATH1400 Applied Calculus  
MATH1600 Analytic Geometry & Calculus I  
MATH2030 Contemporary Mathematics  
MUSC1010 Introduction to Music (Music Appreciation)  
PHED1000 Lifetime Wellness  
PHIL1010 Introduction to Philosophy  
PHIL1060 Applied Ethics  
PSYC1810 Introduction to Psychology

PHYS1017 Technical Physics  
PHYS1030 Astronomy  
PHYS1100 Physical Science  
PHYS1150 Descriptive Physics  
PHYS1410 Elementary General Physics I  
PHYS2110 General Physics I  
POLS1000 American Government  
POLS1080 Introduction to Political Science  
SOC1010 Introduction to Sociology  
SOC1020 Diversity in Society  
THEA1010 Introduction to Theatre

### GELO #4 Global Awareness and Citizenship

ANTH1120 General Anthropology  
ARTS1010 Introduction to Visual Arts  
CHIN1010 Beginning Chinese I  
ECON2110 Principles of Macroeconomics  
GEOG1020 World Regional Geography  
GERM1010 Beginning German I  
HIST2100 World History to 1500 CE  
HIST2110 World History since 1500 CE  
HUMS1100 Introduction to Humanities  
MUSC2800 Introduction to World Music  
PHIL/RELS2610 Comparative Religions  
POLS1000 American Government  
POLS1080 Introduction to Political Science  
POLS1600 International Relations  
SIGN1010 Beginning American Sign Language I  
SOC1010 Introduction to Sociology  
SOC1020 Diversity in Society  
SOC12150 Issues of Unity & Diversity  
SPAN1010 Beginning Spanish I  
SPCH2110 Intercultural Communication

### GELO #5 Analytical, Quantitative and Scientific Reasoning

MATH1040 Business Math  
MATH1050 Thinking Mathematically  
MATH1100 Intermediate Algebra  
OR higher-level math based on placement test scores:  
MATH1150, MATH1200, MATH1300, MATH1400, MATH1600,  
MATH/BSAD2170

### GELO #6 Career and Life Skills

BSAD1010 Microsoft Applications I