

**ASSOCIATE OF APPLIED SCIENCE
COMPUTER INFORMATION SYSTEMS
Programming Emphasis
2003-2004**

General Information:

1. Degree Policies and Procedures are available in the CCA Catalog. Please visit www.CCAurora.edu.
2. If you plan on transferring to another institution, contact an advisor before registering.
3. See the back page for more information or visit the CIS department website at www.CCAurora.edu/cisdept.

General Education Requirements– 18 credits

| | |
|---|------|
| ACC121 Principles of Accounting I | 4 cr |
| ACC123 Principles of Accounting Recitation | 1 cr |
| CIS110 Introduction to the PC | 1 cr |
| CIS115 Introduction to CIS | 3 cr |
| CIS188 Introduction to Computer Information Systems Practicum | 1 cr |
| BUS217 Business Communication and Report Writing | 3 cr |
| BUS 288 Business Communication and Report Writing Practicum | 1 cr |
| MAT121 College Algebra | 4 cr |

Degree Requirements– 12 credits

| | |
|--|------|
| CIS128 Windows Complete | 3 cr |
| CIS188 Windows Complete Practicum | 1 cr |
| CIS268 Systems Analysis and Design | 3 cr |
| CIS288 Systems Analysis and Design Practicum | 1 cr |
| CNG101 Introduction to Networking | 3 cr |
| CNG188 Introduction to Networking Practicum | 1 cr |

Emphasis Requirements-25 credits

| | |
|--|------|
| CSC116 Logic and Program Design | 3 cr |
| CSC188 Logic and Program Design Practicum | 1 cr |
| CSC154 Visual Basic.Net Programming | 3 cr |
| CSC188 Visual Basic.Net Programming Practicum | 1 cr |
| CSC157 Advanced Visual Basic.Net Programming | 4 cr |
| CSC188 Advanced Visual Basic.Net Programming Practicum | 1 cr |
| CSC230 C Programming | 3 cr |
| CSC288 C Programming Practicum | 1 cr |
| CIS220 Fundamentals of Unix | 3 cr |
| CIS288 Fundamentals of Unix Practicum | 1 cr |
| CIS232 Unix Shell Programming | 3 cr |
| CIS288 Unix Shell Programming Practicum | 1 cr |

Emphasis Electives – 12-13 credits

Choose three courses and practicums from the following:

| | |
|---|------|
| CSC160 Computer Science I | 4 cr |
| CSC188 Computer Science I Practicum | 1 cr |
| CSC231 Advanced C Programming | 3 cr |
| CSC288 Advanced C Programming Practicum | 1 cr |

| | |
|--|------|
| CSC240 Java Programming | 3 cr |
| CSC288 Java Programming Practicum | 1 cr |
| CSC241 Advanced Java Programming | 3 cr |
| CSC288 Advanced Java Programming Practicum | 1 cr |
| CIS222 Unix System Administrator | 3 cr |
| CIS288 Unix System Administrator Practicum | 1 cr |

***Note: Courses can be used only once in this degree.**

_____ **Total General Education Credits - 18 credits**

_____ **Total Degree Requirements – 12 credits**

_____ **Total Emphasis Requirements - 25 credits**

_____ **Total Emphasis Electives – 12-13 credits**

_____ **Total Required – 67-68 credits**

COLLEGE PREP COURSES

Each course is 3 credits except where indicated.

| ACT Score | SAT Score | Accu-Placer | English: |
|-----------|-----------|-------------|--|
| 15 | | 0-39 | ENG 030 Basic Writing Skills |
| 16 | | 40-59 | ENG 060 Writing Fundamentals |
| 17 | | 60-85 | ENG 090 Basic Composition |
| 18 | 450 | 86+ | ENG 121 English Composition I |
| 16 | | 0-59 | Reading: REA 060 Foundations of Reading |
| 17 | | 60-82 | REA 090 College Prep Reading |
| 15 | | 0-44ar | Math: MAT 030 Fund. of Mathematics, 2 |
| 16 | | 41-60ar | MAT 060 Pre-Algebra |
| 17 | | 40-54ea | MAT 090 Intro. Algebra, 4 cr. |
| 18 | | 55-71ea | MAT 106 Survey of Algebra, 4 |
| 19 | 440 | 72+ea | MAT 121 College Algebra, 4 cr. |

ENGLISH AS A SECOND LANGUAGE

| Accu-Placer | | |
|-------------|-----------------------------------|---------|
| | ESL 009 Low Beginning ESL | 3 cr. |
| | ESL 021 Basic Grammar/Writing | 1-5 cr. |
| | ESL 022 Intermediate Grammar | 3-5 cr. |
| | ESL 023 Advanced Grammar | 3 cr. |
| | ESL 031 Basic Conversation | 1-5 cr. |
| | ESL 032 Intermediate Conversation | 3-5 cr. |
| | ESL 041 Basic Reading | 1-5 cr. |
| | ESL 042 Intermediate Reading | 2-4 cr. |

STUDY SKILLS CLASSES

| | |
|-------------------------------------|---------|
| COM 121 College Survival Skills | 3 cr. |
| PSY 109 Career Development | 1-3 cr. |
| STS 060 Learning Success Strategies | 1-3cr. |

SCHEDULING SUGGESTIONS

1. Register for your recommended college prep classes the first semester.
2. Take English classes early in your program. They'll help you with all of your other classes!
3. See your advisor about balancing your workload with credit load.
4. If you want to graduate in two years, take a minimum of fifteen college-level credits per semester.
5. Transfer and financial aid students should consult an advisor before registering.



IMPORTANT PHONE NUMBERS:

| | |
|---------------------------|--------------|
| Admissions & Registration | 303 360-4713 |
| Financial Aid | 303 360-4709 |
| Advising | 303 360-4797 |
| Learning Resource Center | 303 360-4736 |
| Business Office | 303 360-4763 |
| Bookstore | 303 360-4774 |
| Lowry Campus One-Stop | 303 340-7093 |

ONLINE AND HYBRID CLASSES

Many of the classes in this degree can be taken “**online**” or “**hybrid**” (a combination of outside and in-classroom instruction). Symbols in the semester schedule indicate which classes are offered in either format.

Online/Hybrid Course Information:

<http://www.CCAurora.edu/infosheets>

Instructional VP and Deans:

Greg Goode, Vice President of Instruction & Std Svc.
Bob Fulcomer, Dean of Business, Math, & Computers
Jerry Martens, Dept. Chair, Computers
Karla Adamson-Lesko, Advisor/Computers
Kristen Cusack, Advisor/Computers

8/11/03

Our Website Has The Following Information:

- College Catalog and Semester Schedule
- Online Registration and Online Courses
- Financial Aid, Advising, and much more.

TRANSFER INFORMATION

This degree prepares students for entry-level employment in a given occupation or for upgrading or stabilizing employment. This degree is not intended to transfer to baccalaureate degree programs, however certain courses and degrees may be accepted toward a bachelor’s degree at certain institutions.

STUDENT CHECKLIST

___ **Application** – Apply in person or online at www.CCAurora.edu. Call for more info: 303-360-4700.

___ **Financial Aid** – To apply for grants, loans, scholarships, fill out a FAFSA form available in the Financial Aid Office or online at www.fafsa.ed.gov. Call for more info: 303-360-4709.

___ **Assessment** – All new students are required to take the basic skills assessment for placement into the appropriate English, reading and math courses. Assessment may be waived for certain students with ACT / SAT scores, completed degrees, are non-degree seeking or meet enrichment status, and for some transfer students. Call for more info: 303-360-4736.

___ **Residence Hall** – Request more information on dorm room and board at Lowry by calling 303-340-7001.

___ **Advising** – Contact an academic advisor to discuss goals and degree program requirements. Call for more info: CTC: 303-360-4797 or LC903: 303-340-7093.

___ **PIN** – Select a personal identification number to access your student records at the Advising Center or Admissions and Records. Call for more info: CTC: 303-360-4797 or LC903: 303-340-7093.

___ **Registration** – Once you have selected your classes and have your PIN, register online at www.CCAurora.edu, by phone at 303-825-2747 or on-site at CTC or LC903. For more info: call CTC: 303-360-4700 or LC903: 303-340-7090.

___ **Payment** - Tuition must be paid by the due date. You may sign a promissory note with the business office. For more info: call 303 360-4763.

___ **Attend class!** If you want to change your schedule, complete a Drop-Add form. Note: If you are receiving Financial Aid notify them of any drops to your schedule. It may affect your award! For more info: call 303-360-4713.