

**ASSOCIATE OF APPLIED SCIENCE  
COMPUTER INFORMATION SYSTEMS  
Networking Emphasis, 2004-05**

**General Information:**

1. Degree Policies and Procedures are available in the Catalog online at [www.CCAurora.edu](http://www.CCAurora.edu).
2. If you plan on transferring to another institution, contact an advisor before registering.
3. You must apply for graduation by the beginning of your last semester.

**General Education Requirements– 16 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.
BUS217 Business Communication and Report Writing	3 cr.
MAT121 College Algebra	4 cr.

**Degree Requirements– 12 credits**

CIS128 Windows Complete	3 cr.
CIS268 Systems Analysis and Design	3 cr.
CNG101 Introduction to Networking	3 cr.
CSC 116 Logic & Program Design	3 cr.

**Emphasis Requirements – 12 credits**

CIS 220 Fundamentals of Unix	3 cr.
CNG 130 PC Technology (Basic Hardware)	3 cr.
CNG 131 Network Security Fundamentals	3 cr.
CNG 160 Intro to Telecommunications	3 cr.

**Emphasis Electives- 20 credits**

Choose a minimum of 20 credit hours:

ACC 122 Principles of Accounting II	4 cr.
ACC 124 Prin of Acct. II Recitation	1 cr.
CIS 124 Intro to Operating Systems (DOS & Windows)	3 cr.
CIS 129 Advanced Windows (Power Users)	3 cr.
CIS 222 Unix (Linux) System Administrator	3 cr.
CIS 232 Advanced Unix: Unix Shell Programming	3 cr.
CNG 132 Principles of Information Security	3 cr.
CNG 133 Network Security: Firewalls and Intrusion	3 cr.
CNG 260 CISCO Network Associate I	5 cr.

\_\_\_\_\_ **Total General Education Credits - 16 credits**

\_\_\_\_\_ **Total Degree Requirements – 12 credits**

\_\_\_\_\_ **Total Emphasis Requirements - 12 credits**

\_\_\_\_\_ **Degree Electives – 20 credits**

\_\_\_\_\_ **Total Required – 60 credits**

**You must apply for graduation at [www.ccaurora.edu](http://www.ccaurora.edu) or at admissions by the beginning of your final semester.**

**ASSESSMENT REQUIREMENTS**

Basic Skills courses may be required based on assessment scores. It is the student's responsibility to meet these requirements within the first 30 credits at CCA. These courses are also available at other area Community Colleges. Each course is 3 credits except where indicated.

ACT Score	SAT Score	Accu-Placer	English:
15		25-49	ENG 030 Basic Writing Skills
16		50-69	ENG 060 Writing Fundamentals
17		70-94	ENG 090 Basic Composition
18	440	95+	ENG 121 English Composition I
16		40-61	REA 060 Foundations of Reading
17		62-79	REA 090 College Prep Reading
15		24-56 ar	Math: MAT 030 Fund. Of Math, 2 cr.
16		57+ ar	MAT 060 Pre-Algebra
17		45-60 ea	MAT 090 Intro. Algebra, 4 cr.
18		61-84 ea	MAT 106 Survey of Algebra, 4 cr.
19	460	85+ 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.

**Academic Standards of Progress**

CCA defines satisfactory academic progress as maintaining a 2.0 cumulative grade point average (GPA) or higher. In order to remain in good standing at CCA, students must maintain at least a 2.0 cumulative GPA. Students who have less than a 2.0 cumulative GPA will be placed on probation or suspension status. For more information, consult the catalog at [www.ccaurora.edu](http://www.ccaurora.edu) or talk to an advisor.



### IMPORTANT PHONE NUMBERS:

Admissions & Registration	303 360-4713
Financial Aid	303 360-4709
Advising	303 360-4797
Learning Resource Center	303 360-4736
Cashier's 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** (an online class with optional in-classroom components). Symbols in the semester schedule indicate which classes are offered in either format.

#### Online/Hybrid Course Information:

<http://www.CCAurora.edu>

#### Instructional VP and Deans:

Greg Goode, Vice President of Instruction & Std Svc.  
Bob Fulcomer, Dean of Business, Math, & Computers  
Bobby Williams, Dept. Chair, Computers  
Kristen Cusack, Advisor/Computers

#### 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](http://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](http://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](http://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.

5/24/04