

# COMPUTER SCIENCE TRANSFER GUIDE



## COMMUNITY COLLEGE OF ALLEGHENY COUNTY – A.S. IN COMPUTER INFO SYSTEMS LA ROCHE UNIVERSITY – B.S. IN COMPUTER SCIENCE

### ASSOCIATE DEGREE ADVANTAGE (9 CREDITS)

Students with an associate degree awarded on their community college transcript have satisfied all but 9 credits of LRU's Academic Core Requirements. The 9 credits required for the LRU Academic Core may be completed at CCAC. Courses listed below for the abbreviated 9-credit core satisfy program requirements at LRU and CCAC. Students without an associate degree must complete LRU's academic core.

COMMUNITY COLLEGE OF ALLEGHENY COUNTY COURSES:	LA ROCHE UNIVERSITY COURSES:
1. A course in English Composition ENG101 English Composition 1 .....3	ENGL1011 Academic Reading & Writing ..... 3
2. A course in English Composition or Communication ENG102 English Composition 2 .....3	ENGL1012 Academic Writing & Research..... 3
3. A course in Mathematics Choose MAT, Mathematics Elective – take MAT 111.....3	MATH1010 College Algebra ..... 3

### CCAC COMPUTER INFORMATION SYSTEMS A.S. REQUIREMENTS ALSO NEEDED AT LRU (32 CREDITS)

COMMUNITY COLLEGE OF ALLEGHENY COUNTY COURSES:	LA ROCHE UNIVERSITY COURSES:
CIT111 Introduction to Programming: Java .....4	CSCI1010/L Programming I with Lab ..... 4
CIT130 Object-Oriented Programming Using Java .....4	Part 1 of CSCI2010/L (must take both parts)..... 4
CIT244 Object-Oriented Design, Data St, Alg. Using Java .....4	Part 2 of CSCI2010/L Programming II with Lab..... 4
CIT230 Database Systems.....4	CSCI2055 Database Systems Theory ..... 4
Choose SCIL – take PHY221 Physics for Science & Eng .....4	PHYS1032/L Physics I with Lab ..... 4
Choose MAT – take MAT201 Calculus I.....4	MATH1032 Analytical Geometry & Calculus I..... 4
Choose SCIL – take PHY222 Physics for Science & Eng II.....4	PHYS1033/L Physics II with Lab ..... 4
Choose MAT – take MAT202 Calculus II.....4	MATH1033 Analytical Geometry & Calculus II ..... 4

### ASSOCIATE DEGREE AT CCAC CREDITS

Complete additional credits needed to earn an associate degree from CCAC ..... 21

### LRU REQUIREMENTS AND ELECTIVES THAT MAY BE TAKEN AT CCAC OR LRU (24 CREDITS)

COMMUNITY COLLEGE OF ALLEGHENY COUNTY COURSES:	LA ROCHE UNIVERSITY COURSES:
CIT182 Principles of Cybersecurity.....3	CSCI3042 Computer Security ..... 3
CIT245 Data Structures & Algorithms Using C++ .....4	CSCI2020 Algorithm Analysis ..... 4
MAT165 Probability & Statistics .....4	MATH1040 Probability & Statistics ..... 4
General Electives .....12	General Electives .....12
<b>CREDITS AT CCAC..... 85</b>	<b>CREDITS THAT TRANSFER TO LRU ..... 85</b>

### COMPLETION OF THE B.S. IN COMPUTER SCIENCE AT LRU ..... 35

**\*\*A minimum of 35 credits in the Computer Science major must be completed at LRU**

#### LA ROCHE UNIVERSITY COURSES: COMPUTER SCIENCE MAJOR REQUIREMENTS

CSCI1002 Intro to Computer Science .....3	Computer Science Major Elective..... 3
CSCI2025/L Systems Programming with Lab .....4	Computer Science Major Elective..... 3
CSCI2035/L Computer Organization & Design with Lab .....4	Computer Science Major Elective..... 3
CSCI3040 Operating Systems.....3	MATH2050 or CSCI2017 Discrete Structures ..... 3
CSCI3042 Computer Security.....3	
CSCI4098 Computer Science Capstone Experience I.....3	
CSCI4099 Computer Science Capstone Experience II.....3	

### TOTAL CREDITS FOR BACHELOR OF SCIENCE IN COMPUTER SCIENCE .....120





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### ADDITIONAL INFORMATION

1. Each institution will determine the satisfaction of their individual program and degree requirements. Both institutions agree to accept transferrable courses from each other and from other regionally accredited institutions.
2. Students with an associate degree conferred on their community college transcript will be awarded a waiver of LRU's full Academic Core and will be required to complete only a 9-10 credit abbreviated Academic Core to include: ENGL1011, ENGL1012 and Quantitative Methods. These courses may be transferred from the community college; however, a waiver or placement exemption at the community college will not fulfill the requirement at LRU.  
  
To receive the abbreviated academic core, students must have an official community college transcript, with the associate degree conferred, sent to LRU's Transfer Admissions Office. Students who do not have an associate degree conferred on their community college transcript will be required to satisfy LRU's academic core requirements. The associate degree may be completed after admission to LRU; however, students should inform their advisor or they may be advised to complete additional courses for the academic core program.
3. Only courses with a grade of C or better (2.0 on a 4.0 scale) will be accepted for transfer. Courses offered as non-credit continuing education units, developmental courses (usually numbered below 100-level) and courses graded on a P/F basis without verification of a C or better will not be accepted for transfer.
4. La Roche University acknowledges that some credits earned toward the associate degree at CCAC may have been completed as a result of transfer or prior learning assessment, to include standardized examinations, military coursework or portfolio credit. This agreement maintains that the associate degree will be honored in its entirety. These individual credits are eligible for transfer with an official transcript from the original credit-granting institution, and will be evaluated by La Roche University on a per-course basis.
5. A minimum of 30 credit hours must be completed in LRU courses, and at least 50 percent of the major credits must be completed at LRU. The last 30 credit hours completed before graduation must be completed at LRU. A minimum of 120 credit hours is required for graduation with a bachelor's degree.
6. Students must satisfy all admission requirements at the time of application for admission to LRU, including submitting official transcripts from all previously attended colleges.
7. Students are encouraged to contact LRU's Transfer Admissions Office prior to application. To facilitate advising and the evaluation of transcripts, let us know you intend to follow this agreement so that we can provide information along the way.

### FOR MORE INFORMATION

#### LA ROCHE UNIVERSITY | TRANSFER ADMISSIONS

200 Zappala Campus Center | 412-536-1260 | [transferadmissions@laroche.edu](mailto:transferadmissions@laroche.edu)

**NON-DISCRIMINATION POLICY:** La Roche University does not discriminate on the basis of race, color, national origin, sex, disability, age, or religion in its programs and activities. The following persons have been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Life & Dean of Students: 412-536-1069 | Assistant Director of Accessibility & Inclusion: 412-536-1177 | Associate Vice President for Human Resources: 412-536-1115. For further information on notice of non-discrimination, call 1-800-421-3481.

