Roosevelt University College of Arts and Sciences
Tentative Program Evaluation for Students Entering Fall 2009 and Later

Name _____ **ID** _____

Major: BS in COMPUTER SCIENCE **Minor: MATH** **Transfer Sh** _____

Advisor										
Date										

General Education Requirements

Writing Requirement	**RU**	**TRANS**
❶❷ English 099		
English 100 *(pass/fail)*		
❶ English 101		
❶ English 102		

Great Ideas (6 sh)

Transfer students entering with 30 sh or more are waived from LIBS 111 and 112.		
LIBS 111 Great Ideas I		
LIBS 112 Great Ideas II		

FYS 100 First Yr. Sem. (non-credit course)	P / F

Preparatory Math (per placement)

❷MATH 090 *(pass/fail)*		
❶❷MATH 099		
❶MATH 100		
❶MATH 121		

Natural Sciences (12 sh)

*A total of three courses, of which a **sequence** of 2 lab courses must be included. See below for suggested sequences.*		
Lab Sequence #1		
Lab Sequence #2		

Social Sciences (9 sh)

Humanities (9 sh)

❸ **Non-Western Studies** _____ (3 sh)

RU Mission Related Courses (6 sh)

❶❺ LIBS 201 Writing Social Justice		
❹❺ LIBS 2xx _____ Signature Course		

❶ Grade of C- or better required.
❷ ENG 099, Math 090 & 099 do not count toward 120 sh.
❸ Can be used in partial fulfillment of Social Sciences & Humanities requirements.
❹ Signature Course is waived for students transferring in 90 sh.
❺ LIBS 201 and Signature Course may not fulfill Social Sciences/Humanities requirements.

Recommended sequences of Natural Science courses

- CHEM 101, CHEM 202, & BIOL 150
- BIOL 150, CHEM 101, & BIOL 201
- PHYS 365, PHYS 366, & PHYS 231
- PHYS 201, PHYS 202,&PHYS 366
- PHYS 231, & PHYS 232

Requirements for the Major

- ***Students must have a minimum overall GPA of 2.00 or higher for courses in major.***
- *Grade of C- or higher required in major and minor courses.*
- *A minimum of 15 sh of CST course must be completed at RU.*
- *CST courses more than 8 yrs. old may not be counted towards the degree.*
- *Any deviation from these degree requirements must be approved by the CST executive committee.*

❶ **Major Sequence** (41 sh)	**RU**	**TRANS**
CST 150 Computer Science I (4 sh, Fall Semester)		
CST 250 Computer Science II (4 sh, Spring Sem.)		
CST 261 Microcomputer Structure & Assembler		
CST 280 Comp. Sci. III: Data Structures (Fall Sem)		
CST 317 Operating Systems		
CST 333 Database Systems		
CST 337 Theory of Computation		
CST 372 Programming Languages		
CST 386 Information Retrieval		
Choose one course from: CST 381 Artificial Intelligence CST 387 Advanced Data Structures		
Choose one course from: CST 370 Software Engineering CST 343 OOP w/ .NET Framework		
Choose one course from: CST 365 Network Application Development CST 376 Distributed Applications		
Choose one course from: CST 340**,** 351, 357, 366, 380, 382		

❶ **Minor Sequence** (15-20 sh)

MATH 122 Pre-calculus *(if needed per placement)*		
MATH 217 Intro to Probability & Statistics		
MATH 231 Calculus I (4 sh)		
MATH 232 Calculus II (4 sh)		
MATH 245 Discrete Structures		
MATH 300 Linear Algebra		

Free Electives

Free electives are courses taken in order to attain 120 sh as needed for graduation. Should be chosen in consultation with an advisor to ensure **Quantitative Requirements** for BS are fulfilled.		

Quantitative Requirements for BS

Residency:	30 sh at RU during junior/senior years
2 yr. College Rule:	54 sh must be at a 4-yr college
200/300s levels:	60 sh maximum at 100 level
	60 sh at 200-300 level of which 18 MUST be 300 level
Outside Major:	63 sh outside major
Minor:	15 sh in MATH