

Advising Sheet (CS)

AA - Pathway to a Major in Computer Science [10703]

The recommendations below are based on **FIU's** requirements for Computer Science. All categories are required by MDC for AA degrees. The courses listed are either recommended by Technology Dept. faculty or required by FIU.

1. Communications	Credits	Notes
ENC1101	3	Required by MDC
ENC1102	3	Required by MDC

2. Oral Communications	Credits	Notes
SPC1017	3	Other courses are available. This one is recommended.

3. Humanities	Credits	Notes
PHI2010	3	[State Core] Other courses are available. This one is recommended.
PHI2604	3	[MDC Core] Other courses are available. This one is recommended.

4. Behav/Soc Science	Credits	Notes
POS2041	3	[State Core] Or AMH2020. Satisfies Civic Literacy requirement.
CLP1006	3	[MDC Core] Other courses are available. This one is recommended.

5. Natural Science	Credits	Notes
BSC2010	3	[State Core] Required by FIU for CS students
CHM1045	3	[MDC Core] Required by FIU for CS students

6. Math	Credits	Notes
MAC1147	5*	Prerequisite for Calculus (MAC2311)
MAC2311	5*	Required by FIU for CS students

7. General Elective (3 cred)	Credits	Notes
CGS1060C	4*	Satisfies Computer Competency requirement at MDC

Electives (24 credits)	Credits	Notes
<i>*Carryover credits (above)</i>	5	2 from MAC1147; 2 from MAC2311; 1 from CGS1060
MAC2312	4	Required by FIU for CS students
PHY2048	4	Required by FIU for CS students
PHY2049	4	Required by FIU for CS students
PHY2048L	1	Lab for physics course. Required by FIU for CS students
PHY2049L	1	Lab for physics course. Required by FIU for CS students
COP1334 (C++)	4	Required by MDC before taking Java
COP2800 (Java)	4	Required by FIU for CS students
Foreign Language	8	Two courses are required prior to graduation unless two years were completed in high school.

Sample Schedule

First Term

Course ID	Course Name	Credits	Notes
ENC1101	English Composition 1	3	
CGS1060C	Intro to Microcomputers	4	Required for all other computer courses
MAC1147	Pre-Calculus & Trigonometry	5	Required for Calculus courses. Prerequisite: MAC1105 or Math dept. permission
CHM1045	General Chemistry	3	May require prerequisites and co-requisites. Contact Chemistry dept.

Second Term

Course ID	Course Name	Credits	Notes
ENC1102	English Composition 2	3	
COP1334	Intro to Programming (C++)	4	Required for COP2800 (Java)
MAC2311	Calculus 1	5	Prerequisite: MAC1147
BSC2010	Principles of Biology	3	Prerequisite: CHM1045

Third Term (Summer)

Course ID	Course Name	Credits	Notes
MAC2312	Calculus 2	4	Prerequisite: MAC2311

Fourth Term

Course ID	Course Name	Credits	Notes
PHI2604	Critical Thinking and Ethics	3	
SPC1017	Fundamentals of Speech	3	
PHY2048	Physics with Calculus 1	4	Prerequisite: MAC2311
PHY2048L	Physics with Calculus 1 (Lab)	1	
COP2800	Java Programming	4	Prerequisite: COP1334

Fifth Term

Course ID	Course Name	Credits	Notes
CLP1006	Psychology of Personal Eff.	3	
PHI2010	Intro to Philosophy	3	
POS2041	American Federal Govt	3	
PHY2049	Physics with Calculus 2	4	Prerequisite: PHY2048
PHY2049L	Physics with Calculus 2 (Lab)	1	