

Advising Sheet (IT)

AA - Pathway to a Major in Computer Information Systems [10702]

The recommendations below are based on **FIU's requirements for Information Technology**. 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
PSY2012 ¹	3	[State Core] Required by FIU for IT students.
ECO2013	3	[MDC Core] Other courses are available. This one is recommended.

5. Natural Science	Credits	Notes
BSC1005	3	[State Core] Other courses are available. This one is recommended.
PSC1515	3	[MDC Core] Other courses are available. This one is recommended.

6. Math	Credits	Notes
MAC1105	3	Prerequisite for MAC1140
MAC1140	3	Required by FIU for IT students

7. General Elective (3 cred)	Credits	Notes
CGS1060C	4*	Required by FIU and satisfies MDC Computer Competency requirement

Electives (24 credits)	Credits	Notes
*Carryover credits (above)	1	1 from CGS1060
MAD2104	3	Required by FIU for IT students
COP1334 (C++)	4	Required by MDC before taking Java
COP2800 (Java)	4	Required by FIU for IT students
COP2805C (Java II)	4	Recommended to prepare for FIU's Java courses
CTS1800, CTS1134, CGS1540C	8	Choose TWO. Web development, Networking, and Database Concepts will all help you prepare for FIU courses. If you have other interests, speak with your advisor about other available courses.
Foreign Language	8	Two courses are required prior to graduation unless two years were completed in high school. If you must take these at MDC, substitute this requirement for the 8 credits above.

¹ If you have already taken CLP1006, it has traditionally been accepted by FIU. Do not take PSY2012 unless directed by an advisor.

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
MAC1105	College Algebra	3	Required for all other math courses
BSC1005	General Education Biology	3	

Second Term

Course ID	Course Name	Credits	Notes
ENC1102	English Composition 2	3	
COP1334	Intro to Programming (C++)	4	Required for COP2800 (Java)
MAC1140	Pre-Calculus	3	Prerequisite: MAC1105
PSC1515	Energy / Natural Environment	3	

Third Term (Summer)

Course ID	Course Name	Credits	Notes
PHI2604	Critical Thinking and Ethics	3	
SPC1017	Fundamentals of Speech	3	

Fourth Term

Course ID	Course Name	Credits	Notes
CTS1800	Web Development	4	Prerequisite: CGS1060 [see page 1 for alt courses]
PSY2012	Intro to Psychology	3	*See note on page 1 regarding CLP1006
MAD2104	Discrete Math	3	Prerequisite: MAC1140
COP2800	Java Programming	4	Prerequisite: COP1334

Fifth Term

Course ID	Course Name	Credits	Notes
PHI2010	Intro to Philosophy	3	
ECO2013	Economics (Macro)	3	
COP2805C	Advanced Java Programming	4	Prerequisite: COP2800
CTS1134	Networking Technologies	4	Prerequisite: CGS1060 [see page 1 for alt courses]