Required courses for a **BS in Computer Science (BSCS) (121 hrs)**
(including CSE department technical electives*) (**2008-2009 catalog**)
(Revised: 05.01.2008 7:18pm, effective Fall 2008)

( ) Leveling courses
Prerequisite
Co-requisite

Math Placement Test/Advising
(MATH prerequisite classes as needed)

All Pre-Professional courses must be passed with a 'C' or better before being admitted to the **Professional Division**.

(1310) **1105** **1104** (MATH 1302)
Ethics
1320 C/C++ (MATH 1323)
MATH 1426 Calculus I
PHYS 1443
CHEM 1441 or 1465
ENGL 1301
ENGL 1302
PHYS 1444
MATH 2425 Calculus II
1325 Java
2312 Ass'y
2315 Discrete
2340 2140 EE 2440
DigLogic
MATH 2326 Calculus III
2320 Alg/DataStr
Pre-CS (42 hrs)
Professional Division (55 & 2.25+)
General Education (24 hrs)
3 hrs. Literature
HIST 1311
HIST 1312
POLS 2311
POLS 2312
3 hrs FineArts El
3 hrs Soc/Cult El
3315 Theo
3310 SwE
3320 OS
IE 3301
3322 Arch I
3340 CompMeth
MATH 3319
IE 3312
3302 ProgLang
3330 DB
***3442 Embedded**
*4301 CntPrg
*4303 Graphics
*4305 Compilers
*4311 OO SE
*4310 SwEProc
*4313 Sig Proc
*4308 AI
*4312 FmlMeth
*4319 SimMod
*4323 Arch II
4342 RealTime
4340 MobileSys
(or)
COMS 3302
EE 3310 & EE 4330
(or)
*4331 DBImpl
*4321 SwTest
*4322 SwPrjMan
*4344 Networks
*4346 AdvNet
*4348 Multimedia
4316 SenDsgn I
(with same team)
4317 SenDsgn II
*4320 TeleComm
*4361 SwEPat
*4353 Distr'd Cmp'g
*4351 Parallel (or consent of instructor)
*4360 RobotDesign

3 hrs of **Math** electives
4 hrs of **Science** electives
12hours of **CSE Technical** Electives (*)

As Required (in addition to 121):
Foreign language(2 semesters of the same language)

NOTE: Required courses are in **Bold.**