

**Al Akhawayn University in Ifrane
School of Science & Engineering**

**POSSIBLE COURSE SEQUENCE
Bachelor of Science in General Engineering (BSGE)
2008-2010 Catalog**

Semester 1 (15 SCH)	
Eng 1301	English Composition I
CSC 1401	Computer Programming
MTH 1303	Differential & Integral Calculus
SSK 1211	Study Skills
Soc 1301	<u>or</u> PSY 1301 <u>or</u> SSC 1310 <u>or</u> GEO 1301

Semester 2 (16 SCH)	
FRN x3xx	French * <u>or</u> ARB x3xx Arabic *
CSC 2302	Data Structures
BIO 140x	Principles of Biology I or II
PHY 1401	Physics I
SSK 1212	Study Skills

Semester 3 (18 SCH)	
CSC 2303	Advanced Prog./Object-Oriented Programming
EGR 3331	Digital Design
MTH 2301	Multivariable Calculus
PHY 1402	Physics II
SSK 1213	Study Skills
COM 1301	Communication through Speaking

Semester 4 (16 SCH) (suitable semester for exchange)	
FRN x3xx	French * <u>or</u> ARB x3xx Arabic *
CHE 1401	General Chemistry I
MTH 2303	Linear Algebra & Matrix Theory
ENG 2303	Technical Writing
CSC 2304	Computer Architecture

Semester 5 (17 SCH) (suitable semester for exchange)	
CHE 1402	General Chemistry II
EGR 2402	Electrical Circuits
MTH 2304	Differential Equations
CSC 3352	Computer Communication
LIT 230x /HUM 3302	<u>or</u> HUM 3303

Semester 6 (15 SCH)	
CSC 3324	Software Engineering I
EGR 2302	Engineering Economics
MTH 3301	Probability and Statistics for Engineers
MTH1304	Discrete Mathematics for Engineering
HUM 3305	<u>or</u> HUM 3306 <u>or</u> PHI 230x

Semester 7 (18 SCH)	
CSC 3326	Database Systems
EGR 3306	Engineering Instrumentation I
EGR 3308	Thermal Engineering
CSC 3351	Operating Systems
CSC Adv Course	
HIS 1301 <u>or</u> HIS 2301 <u>or</u> PSC 2301 (French Baccalaureate)	
<u>or</u> HIS1302 (Moroccan Baccalaureate)	

Semester 8 (17 SCH)	
CSC Adv	
EGR 3402	Statics & Dynamics
EGR 4402	Capstone Design
EGR 3304	Materials Science
Elective Course	

Summer Session (3 SCH)	
EGR 4300	Internship

TOTAL SCH: 135

* The exact language course to take will depend on the result of the placement tests in French and eventually in Arabic.

This sequence is subject to change at any time by appropriate action of the University