

First Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
HF-B03-b	Foreign language	compulsory	6
IPF-B01 b	Mathematics	compulsory	6
HFS-B02 c	Sustainable development	compulsory	6
IPF-B04 b	Physics	compulsory	6
IPF-B06 b	Chemistry	compulsory	6
Second Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
IPF-B13 b	Introduction to Information Technologies and Applications	compulsory	6
MAT 119	Calculus for Functions of Several Variables	compulsory	6
CNG 140	C Programming	compulsory	6
MAT 260	Basic Linear Algebra	compulsory	6
ENGL 101	Development of Reading and Writing Skills II	compulsory	6
Third Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
MAT 219	Differential Equations	compulsory	6
	Comp. Engineering Orientation	compulsory	6
CNG 223	Discrete Computational Structures	compulsory	6
ENGL 211	Academic Oral Presentation Skills	compulsory	6
STAS 221 / EEE	Statistics for Engineers I / Probability and Random Variables	compulsory	6

Fourth Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
EEE 282	Introduction to Digital Electronics	compulsory	6
CNG 242	Programming Language Concepts	compulsory	6
CNG 280	Formal Languages and Abstract Machines	compulsory	6
CNG 232 / EEE	Logic Design	compulsory	6
CNG 315	Algorithms	compulsory	6
Fifht Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
CNG 331	Computer Organization	compulsory	6
CNG 351	Data Management and File Structures	compulsory	6
CNG 350	Software Engineering	compulsory	6
CNG 384	Signals and Systems for Computer Engineers	compulsory	6
CNG 336 / EEE 347	Introduction to Embedded Systems Development / Introduction to Microprocessors	compulsory	6
Sixth Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
CNG 334	Introduction to Information	compulsory	6
	Energy efficiency	compulsory	6
CNG 331	ComputerOrganization	compulsory	6
CNG 435	Data Structures	compulsory	6
	Green Building	compulsory	6

# Curriculum

## Computer Sciences



Seventh Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
CNG 435	Data Communications and Networking	compulsory	6
CNG 350	SoftwareEngineering-2	compulsory	6
EEE 282	Introduction to Digital Electronics-2	compulsory	6
CNG 223	Discrete Computational Structures	compulsory	6
CNG 491	Senior Project and Seminar: Implementation	compulsory	6
Eighth Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
	Thesis		30