Course	Course Title	Credit	Year	Semester
Math1011	Mathematics for Natural Sciences	5	1	1
Phys1011	General Physics	5	1	1
Psyc1011	General Psychology	5	1	1
SpSc1011	Physical fitness	2	1	1
GeES1011	Geography of Ethiopia and the Horn	5	1	1
FLEn1011	Communicative English Language Skills I	5	1	1
LoCT1011	Logic and Critical Thinking	5	1	1
EmTe 1012	Introduction to Emerging Technologies	5	1	2
Anth1012	Social Anthropology	4	1	2
Math1012	Applied Mathematics	5	1	2
MCiE1012	Moral and Civic Education	4	1	2
FLEn1012	Communicative English language Skills II	5	1	2
GlTr1012	Global Trends	4	1	2
CoSc1012	Computer Programming	5	1	2
SEng4021	Fundamentals of Database System	5	2	1
SEng5021	Fundamental of Software Engineering	7	2	1
SEng2021	Computer Programming II	5	2	1
Math2011	Discrete Mathematics and Combinatory	5	2	1
Incl1012	Inclusiveness	4	2	1
Econ1011	Introduction to Economics	5	2	1
SEng2122	Data Structure and Algorithms	5	2	2
SEng3122	Operating Systems and Systems Programming	7	2	2
SEng3022	Computer Organization and Architecture	5	2	2
Stat4012	Probability and Statistics	5	2	2
SEng6022	Object Oriented Programming	5	2	2
SEng7022	Fundamental of Networking	7	2	2
SEng3231	Microprocessors and Assembly Language	5	3	1
SEng4131	Advanced Database Systems	5	3	1
SEng5131	Requirements Engineering	5	3	1
SEng5331	Software Engineering Tools and Practices	5	3	1
SEng7131	Web Design and Programming	6	3	1
SEng7431	Fundamental of Software Security	5	3	1

Code	Title			
SEng5232	Software Architecture and Design	5	3	2
SEng6132	Advanced Programming	5	3	2
SEng7232	Fundamental of Cloud Computing & IoT	5	3	2
SEng7332	Fundamental of Distributed Systems	5	3	2
SEng9032	Fundamental of Machine Learning	5	3	2
SEngb032	Software Project Management	5	3	2
Hist.1102	History of Ethiopia and the Horn	5	3	2
Mgmt1012	Entrepreneurship	5	4	1
SEng3341	Principles of Compiler Design	5	4	1
SEng3441	Real Time and Embedded Systems	5	4	1
SEng5441	Software Testing and Quality Assurance	7	4	1
SEng6241	Mobile Application Development	5	4	1
SEng9141	Fundamentals of Artificial Intelligence	5	4	1
SEnga042	Holistic Exam	0	4	2
SEnga142	Internship	30	4	2
SEngc051	Software Agent	5	5	1
SEngc151	Software Risk Management	5	5	1
SEngc251	Software Process Improvement	5	5	1
SEngc351	Social Networks	5	5	1
SEngc451	Software Component Design	5	5	1
SEng5551	Software Evolution and Maintenance	5	5	1
SEng5651	Software Metrics	5	5	1
SEng9251	Fundamentals of Big Data Analytics and Business Intelligence	5	5	1
SEngb251	Project I	7	5	1
SEngcx51	Elective I	5	5	1
SEng8052	Human Computer Interaction	5	5	2
SEng8152	Computer Graphics and Multimedia	7	5	2
SEngb152	Selected Topics in Software Engineering	4	5	2