



Units of Subject for 4stages

1 st 2021-2022			
Semester 1		Semester 2	
Subject Name	Unit	Subject Name	Unit
Mechanics	3	Properties of Matter	3
Arabic	2	English	2
Human Rights	2	Democracy	2
Electricity	3	Magnetism	3
Computer 1	2	Computer 2	2
Mathematics 1	3	Mathematics 2	3
Chemistry	3	Geology	3
Practical Physics 1	3	Practical Physics 2	3
42		Total unit	

2 st 2021-2022			
Semester 1		Semester 2	
Subject Name	Unit	Subject Name	Unit
Thermodynamics	2	Statistical Mechanics	2
Analog Electronics	3	Digital Electronics	3
Geometrical Optics I	2	Geometrical Optics II	2
Modern Physics I	2	Modern Physics II	2
Mathematics III	3	Mathematics IV	3
Astronomy I	2	Astronomy II	2
Practical Physics I	4,5	Physics Philosophy	1
Health Culture	1	Practical Physics II	4,5
39		Total unit	



3st 2021-2022

Semester 1		Semester 2	
Subject Name	Unit	Subject Name	Unit
Analytical Mechanics I	3	Analytical Mechanics II	3
Mathematics and Modeling I	3	Mathematics and Modeling II	3
Laser Physics	2	Laser Applications	2
Plasma Physics	2	Molecular Physics	2
Crystal Science	2	Material Science	2
Physical Optics I	2	Physical Optics II	2
Practical Physics I	1,5	Practical Physics II	1,5
31		Total unit	

4st 2021-2022

Semester 1		Semester 2	
Subject Name	Unit	Subject Name	Unit
Quantum Mechanics I	3	Quantum Mechanics II	3
Electromagnetic Theory I	3	Electromagnetic Theory II	3
Nuclear Physics I	3	Nuclear Physics II	3
Solid State Physics I	3	Solid State Physics II	3
Selective Subject I (Nano Physics + Solar Energy)	2	Selective Subject II (Fiber Optics + Medical Physics)	2
Practical Physics I	3	Practical Physics II	3
3 6		Total unit	