

Scientific background

1- Electromechanical Engineering department

Scientific background

degree/Specialization

1-Bachelor in Electromechanical Engineering- Navigation and Guidance Engineering

2-Bachelor in Communications Engineering

3-Bachelor in Electrical and Electronic Engineering

4-Bachelor in Aircraft Engineering

5-Bachelor in Aircraft Electrical Engineering

6-Bachelor in control engineering

7-Bachelor in Computer Engineering

8-Bachelor in Technology Education -Electrical Engineering and Education and

Dip/ Navigation and Guidance Engineering

1- Bachelor in Electromechanical Engineering- Energy and Renewable Energies Engineering.

2- Bachelor in Technology Education-Mechanical Engineering and Education.

3-Bachelor in Mechanical Engineering

1-Bachelor in Electromechanical Engineering-Electromechanical Systems Engineering

M.Sc / Energy Engineering

M.Sc / Electromechanical Systems Engineering

2-Bachelor in Technology Education-Electrical Engineering and Education	
3-Bachelor in Electrical Engineering	
4- Bachelor in Mechatronics Engineering	
1-Bachelor in Electromechanical Engineering- Navigation and Guidance Engineering	M.Sc / Navigation and Guidance Engineering
2-Bachelor in Communications Engineering	
3- Bachelor in Electrical and Electronic Engineering	
4-Bachelor in Aircraft Engineering	
5-Bachelor in Aircraft Electrical Engineering	
6-Bachelor in control engineering	
7-Bachelor in Computer Engineering	
8-Bachelor in Technology Education -Electrical Engineering and Education and	
9-Higher Diploma in Navigation and Guidance Engineering	
1-Bachelor in Electromechanical Engineering- Energy and Renewable Energies Engineering/ Master of Electromechanical Engineering - Energy Engineering.	Ph.D / Energy Engineering
2-Bachelor in Technology Education - Electrical Engineering and Education / Master of Electromechanical Engineering - Energy Engineering	
3- Bachelor in Technology Education - Mechanical Engineering and Education / Master of Electromechanical Engineering - Energy Engineering.	
4- Bachelor of Technology Education - Mechanical Engineering and Education / Master of Technology Education - Mechanical Engineering and Education	

1-Bachelor of Electromechanical Engineering- Electromechanical Systems Engineering / Master of Electromechanical Systems Engineering	Ph.D / Electromechanical Systems Engineering
2-Bachelor in Electromechanical Engineering - Electromechanical Systems Engineering / Master of Electromechanical Engineering - Electromechanical Systems Engineering	
3-Bachelor in Technology Education - Mechanical Engineering and Education / Master of Electromechanical Engineering - Electromechanical Systems Engineering.	
4-Bachelor in Technology Education - Electrical Engineering and Education / Master of Electromechanical Engineering - Electromechanical Systems Engineering.	
5-Bachelor in Technology Education-Electrical Engineering and Education/ Master of Technology Education-Electrical Engineering and Education	
6- Bachelor in Electrical Engineering / Master of Electrical Engineering	
2- Laser and Optoelectronics Engineering Department	
Scientific background	degree/Specialization
1- Bachelor's degree in Optoelectronics Engineering	M.Sc./ Optoelectronics Engineering
2- Bachelor's degree in Laser and Optoelectronics Engineering	
3- Higher Diploma in Laser and Optoelectronics Engineering, provided that he/she has Bachelor's degree in Optoelectronics Engineering or Bachelor's degree in Laser and Optoelectronics Engineering.	

Scientific background	
3- Department of Architectural Engineering	
Scientific background	Scientific degree/Specialisation
· Bachelor's degree in Architectural Engineering exclusively with five years in completion.	Master's degree in Urban Design (MUD)
	Master's degree in Architectural Design (MAD)
	Master's degree in Architecture Technology (MAT)
· MSc of Architectural Engineering / Urban Design.	Ph.D in Architectural Engineering
· MSc of Architectural Engineering / Architectural Design.	
· MSc of Architectural Engineering / Architecture Technology.	
· MSc of Urban and Regional Planning with a bachelor's degree in Architectural Engineering exclusively with five years in completion.	

4- Mechanical Engineering Department	
Applicant's Background	Degree Awarded
BSc in Mechanical Engineering	MSc in Mechanical Engineering – Thermal Power
BSc in Mechanical Engineering	MSc in Mechanical Engineering – air-conditioning and refrigeration
BSc in Mechanical Engineering	MSc in Mechanical Engineering – Applied Mechanics
§ BSc in Mechanical Engineering	PhD in Mechanical Engineering – Thermal Power
§ MSc in Mechanical Engineering (Thermal Power - air-conditioning and refrigeration – Thermal – Fluid)	
§ BSc in Mechanical Engineering	PhD in Mechanical Engineering – Applied Mechanics
§ MSc in Mechanical Engineering (Applied Mechanics - Design)	
5- Chemical Engineering Department	
Scientific background	Degree/Specialization
1. Bachelor of Science (B.Sc.) in Chemical Engineering.	M.Sc. in Chemical Engineering / Chemical Processing Engineering
2. Bachelor of Science (B.Sc.) in Chemical Engineering/ Chemical Processing Engineering.	

3. Bachelor of Science (B.Sc.) in Chemical Engineering/ Unit Operation Engineering.	
4. Bachelor of Science (B.Sc.) in Chemical Engineering / Petroleum Pollution Engineering.	
5. Higher Diploma in Chemical Engineering.	
1. Bachelor of Science (B.Sc.) in Chemical Engineering.	M.Sc. in Chemical Engineering/ Oil and Gas Refinery Engineering
2. Bachelor of Science (B.Sc.) in Chemical Engineering/ Oil and Gas Refinery Engineering.	
3. Bachelor of Science (B.Sc.) in Chemical Engineering/ Chemical and Petrochemical Engineering.	
4. Higher Diploma in Chemical Engineering	
5. Higher Diploma in Chemical Engineering/ Oil and Gas Refinery Engineering	
6. Higher Diploma in Chemical Engineering/ Oil Refinery Engineering and Gas Technology.	

<p>1. Bachelor of Science (B.Sc.) in Chemical Engineering/ Higher Diploma in Chemical Engineering/ M.Sc. in Chemical Engineering</p>	<p>PhD in Chemical Engineering</p>
<p>2. Bachelor of Science (B.Sc.) in Chemical Engineering/ Higher Diploma in Chemical Engineering/ Oil and Gas Refinery Engineering/ M.Sc. in Chemical Engineering/ Oil and Gas Refinery Engineering.</p>	
<p>3. Bachelor of Science (B.Sc.) in Chemical Engineering/ Higher Diploma in Chemical Engineering/ Oil Refinery Engineering and Gas Technology / M.Sc. in Chemical Engineering/ Oil and Gas Refinery Engineering.</p>	
<p>4. Bachelor of Science (B.Sc.) in Chemical Engineering/ Higher Diploma in Chemical Engineering/ Oil and Gas Refinery Engineering/ M.Sc. in Chemical Engineering / Chemical Processing Engineering</p>	
<p>5. Bachelor of Science (B.Sc.) in Chemical Engineering/ Higher Diploma in Chemical Engineering/ Oil Refinery Engineering and Gas Technology / M.Sc.</p>	

in Chemical Engineering / Chemical Processing Engineering	
6. Bachelor of Science (B.Sc.) in Chemical Engineering/ Oil and Gas Refinery Engineering. / M.Sc. in Chemical Engineering/ Oil and Gas Refinery Engineering	
7. Bachelor of Science (B.Sc.) in Chemical Engineering/ Oil and Gas Refinery Engineering. / M.Sc. in Chemical Engineering/ Oil Refinery Engineering and Gas Technology	
8. Bachelor of Science (B.Sc.) in Chemical Engineering/ Chemical Processing Engineering/ M.Sc. in Chemical Engineering / Chemical Processing Engineering	
9. Bachelor of Science (B.Sc.) in Chemical Engineering/ Unit Operation Engineering M.Sc. in Chemical Engineering / Unit Operation Engineering.	
1. Bachelor of Science (B.Sc.) in Chemical Engineering.	Higher Diploma in Chemical Engineering / Petroleum Pollution Engineering

2. Bachelor of Science (B.Sc.) in Chemical Engineering/ Chemical Processing Engineering.	
3. Bachelor of Science (B.Sc.) in Chemical Engineering/ Oil and Gas Refinery Engineering.	
4. Bachelor of Science (B.Sc.) in Chemical Engineering/ Unit Operation Engineering.	
5. Bachelor of Science (B.Sc.) in Chemical Engineering / Petroleum Pollution Engineering.	

Scientific background		
6- communications engineering		
Required Scientific background	Program /specialization	
- B.Sc. in optical communication system engineering	M. Sc. In Optical Communication System	
- B.Sc. in communication engineering		
- B.Sc. in electronic and communication engineering		
- B.Sc. in Wireless communication system engineering	M. Sc. In Wireless Communication System	
- B.Sc. in communication engineering		

- B.Sc. in electronic and communication engineering	
7-Control and Systems Engineering	
Scientific background	Degree/Specialization
B.Sc. in Control Engineering	M. Sc. in Control Engineering
B.Sc. in Control and Systems Engineering / Control Engineering	
B.Sc. in Control and Systems Engineering / Computers Engineering	
B.Sc. in Control and Systems Engineering / Mechatronics Engineering	
B.Sc. in Control and Systems Engineering / Control of Biomedical Systems Engineering	
B.Sc. in Control and Computers Engineering	
B.Sc. in Systems Engineering	
B.Sc. in Systems and Control Engineering	
B.Sc. in Petroleum Systems Control Engineering	
B.Sc. in Control and Systems Engineering / Computer and Control Engineering	
B.Sc. in Computer Engineering	M. Sc. In Computer Engineering
B.Sc. in Control and Computers Engineering	

B.Sc. in Control and Systems Engineering/Control Engineering ä	
B.Sc. in Control and Systems Engineering/Computers Engineering	
B.Sc. in Control and Systems Engineering/ Mechatronics Engineering	
B.Sc. in Systems Engineering	
B.Sc. in Computers and Software Engineering.	
B.Sc. in Electronics Engineering	
B.Sc. in Control and Systems Engineering/Computer and Control Engineering	
B.Sc. in Computer Networks Engineering (with a condition of scientific clearing)	
B.Sc. in of Mechatronics Engineering	
B.Sc. in Control and Systems Engineering/ Control Engineering	
B.Sc. in Control and Systems Engineering/Computer Engineering	M. Sc. in Mechatronics Engineering
B.Sc. in Control and Systems Engineering/Mechatronics Engineering	
B.Sc. in Control and Systems Engineering/ Control of Biomedical Systems Engineering	

B.Sc. in Control and Computers Engineering	
B.Sc. in Electrical Engineering/Electronics	
B.Sc. in Systems and Control Engineering	
B.Sc. in Engineering in Orthotics and Prosthetics	
B.Sc. in Control and Systems Engineering/Computer and Control Engineering	
B.Sc. in Control Engineering / M.Sc. in Control Engineering	Ph. D. in Control Engineering
B.Sc. in Control and Systems Engineering – Control Engineering / M.Sc. in Control Engineering	
B.Sc. in Control and Systems Engineering – Computers Engineering / M.Sc. in Control Engineering	
B.Sc. in Control and Systems Engineering – Mechatronics Engineering / M.Sc. in Control Engineering	
B.Sc. in Control and Systems Engineering – Control of Biomedical Systems Engineering / M.Sc. in Control Engineering	
B.Sc. in Control and Systems Engineering – Computer and Control Engineering / M.Sc. in Control Engineering	
B.Sc. in Control and Computers Engineering / M.Sc. in Control Engineering	

B.Sc. in Systems Engineering/ M.Sc. in Control Engineering	
B.Sc. in Systems and Control Engineering / M.Sc. in Control Engineering	
B.Sc. in Petroleum Systems Control Engineering / M.Sc. in Control Engineering	
B.Sc. in Electrical and Electronics Engineering / M.Sc. in Control Engineering	
B.Sc. in Electrical Engineering/ M.Sc. in Control Engineering	
B.Sc. in Control Engineering / M.Sc. in Control and Computers Engineering	
B.Sc. in Control and Systems Engineering – Control Engineering /M.Sc. in Control and Computers Engineering	
B.Sc. in Control and Systems Engineering – Computers Engineering / M.Sc. in Control and Computers Engineering	
B.Sc. in Control and Systems Engineering – Mechatronics Engineering/ M.Sc. in Control and Computers Engineering	
B.Sc. in Control and Systems Engineering – Control of Biomedical Systems Engineering / M.Sc. in Control and Computers Engineering	

B.Sc. in Control and Computers Engineering / M.Sc. in Control and Computers Engineering	
B.Sc. in Systems Engineering / M.Sc. in Control and Computer Engineering	
B.Sc. in Systems and Control Engineering / M.Sc. in Control and Computers Engineering	
B.Sc. in Petroleum Systems Control Engineering / M.Sc. in Control and Computers Engineering	
B.Sc. in Electrical and Electronics Engineering / M.Sc. in Control and Computers Engineering	
B.Sc. in Electrical Engineering / M.Sc. in Control and Computers Engineering	
B.Sc. in Control Engineering / M.Sc. in Systems and Control Engineering	
B.Sc. in Control and Systems Engineering – Control Engineering / M.Sc. in Systems and Control Engineering	
B.Sc. in Control and Systems Engineering – Computers Engineering / M.Sc. in Systems and Control Engineering	
B.Sc. in Control and Systems Engineering – Mechatronics Engineering / M.Sc. in Systems and Control Engineering	

B.Sc. in Control and Systems Engineering – Control of Biomedical Systems Engineering / M.Sc. in Systems and Control Engineering

B.Sc. in Control and Computers Engineering / M.Sc. in Systems and Control Engineering

B.Sc. in Systems Engineering / M.Sc. in Systems and Control Engineering

B.Sc. in Systems and Control Engineering / M.Sc. in Systems and Control Engineering

B.Sc. in Petroleum Systems Control Engineering / M.Sc. in Systems and Control Engineering

B.Sc. in Electrical and Electronics Engineering / M.Sc. in Systems and Control Engineering

B.Sc. in Electrical Engineering / M.Sc. in Systems and Control Engineering

B.Sc. in Control Engineering / M.Sc. in Control Engineering and Instrumentation

B.Sc. in Control and Systems Engineering – Control Engineering / M.Sc. in Control Engineering and Instrumentation

B.Sc. in Control and Systems Engineering – Computers Engineering / M.Sc. in Control Engineering and Instrumentation

B.Sc. in Control and Systems Engineering –
Mechatronics Engineering / M.Sc. in Control
Engineering and Instrumentation

B.Sc. in Control and Systems Engineering – Control of
Biomedical Systems Engineering / M.Sc. in Control
Engineering and Instrumentation

B.Sc. in Control and Computers Engineering / M.Sc. in
Control Engineering and Instrumentation

B.Sc. in Systems Engineering / M.Sc. in Control
Engineering and Instrumentation

B.Sc. in Systems and Control Engineering / M.Sc. in
Control Engineering and Instrumentation

B.Sc. in Petroleum Systems Control Engineering /
M.Sc. in Control Engineering and Instrumentation

B.Sc. in Electrical and Electronics Engineering / M.Sc.
in Control Engineering and Instrumentation

B.Sc. in Electrical Engineering / M.Sc. in Control
Engineering and Instrumentation

B.Sc. in Mechatronics Engineering / M.Sc. in
Mechatronics Engineering

B.Sc. in Control and Systems Engineering – Control
Engineering / M.Sc. in Mechatronics Engineering

B.Sc. in Control and Systems Engineering – Computers Engineering / M.Sc. in Mechatronics Engineering		
B.Sc. in Control and Systems Engineering – Computer and Control Engineering / M.Sc. in Mechatronics Engineering		
B.Sc. in Control and Systems Engineering – Mechatronics Engineering / M.Sc. in Mechatronics Engineering		
B.Sc. in Control and Systems Engineering – Control of Biomedical Systems Engineering / M.Sc. in Mechatronics Engineering		
B.Sc. in Control and Computers Engineering / M.Sc. in Mechatronics Engineering		
B.Sc. in Electrical Engineering - Electronics / M.Sc. in Mechatronics Engineering		
B.Sc. in Systems and Control Engineering / M.Sc. in Mechatronics Engineering		
B.Sc. in Engineering in Orthotics and Prosthetics/M.Sc. in Mechatronics Engineering		

Scientific background	
8- Applied sciences Department	
Scientific background	Degree/Specialization
1. Bachelor of Science (B.Sc.) in Applied Physics.	M.Sc. in Applied Physics
2. Bachelor of Science (B.Sc.) in Physics	
1. Bachelor of Science (B.Sc.) in Materials science	M.Sc. in Materials science
2. Bachelor of Science (B.Sc.) in Physics	
1. Bachelor of Science (B.Sc.) in Mathematics and computer applications	M.Sc. in Applied mathematics
2. Bachelor of Science (B.Sc.) in Applied mathematics	
3. Bachelor of Science (B.Sc.) in Mathematics	
1. Bachelor of Science (B.Sc.) in Laser physics	M.Sc. in Laser applications and technology
1. Bachelor of Science (B.Sc.) in Biotechnology	M.Sc. in Biotechnology
2. Bachelor of Science (B.Sc.) in Biochemical technology.	
1. Bachelor of Science (B.Sc.) in Applied chemistry	M.Sc. in Applied chemistry
2. Bachelor of Science (B.Sc.) in Chemistry	
1. M.Sc. in Materials science & Bachelor of Science (B.Sc.) in Materials science.	Ph.D. in Material Technology
2. M.Sc. in Materials science & Bachelor of Science (B.Sc.) in Applied Physics.	
3. M.Sc. in Physics & Bachelor of Science (B.Sc.) in Materials science.	

4. M.Sc. in Physics & Bachelor of Science (B.Sc.) in Applied Physics.	
1. M.Sc. in Laser physics & Bachelor of Science (B.Sc.) in Laser physics.	Ph.D. in Laser and Electro-optics Technology
2. M.Sc. in Laser applications and technology & Bachelor of Science (B.Sc.) in Laser physics.	
1. M.Sc. in Applied Physics & Bachelor of Science (B.Sc.) in Applied Physics.	Ph.D. in Applied Physics
2. M.Sc. in Applied Physics & Bachelor of Science (B.Sc.) in Physics.	
3. M.Sc. in Physics & Bachelor of Science (B.Sc.) in Applied Physics.	
4. M.Sc. in Physics & Bachelor of Science (B.Sc.) in Physics.	
1. M.Sc. in Biotechnology & Bachelor of Science (B.Sc.) in Biotechnology.	Ph.D. in Biotechnology
2. M.Sc. in Biotechnology & Bachelor of Science (B.Sc.) in biochemical technology.	
3. M.Sc. in Biotechnology & Bachelor of Science (B.Sc.) in Biology.	
9- Department of Computer Sciences	
Scientific background	degree/Specialization
Bachelor's and Higher Diploma / Computer Science for College of Sciences	Masters In Computer Science
Bachelor and Higher Diploma / Computer Science for College of Sciences / Software	
Bachelor's and Higher Diploma / Computer Science for College of Sciences / Artificial Intelligence	
Bachelor's and Higher Diploma / Computer Science for College of Sciences / Information Systems	

Bachelor's and Higher Diploma / Computer Science for College of Sciences / Data Security	
Bachelor and Higher Diploma / Computer Science for College of Sciences / Network Management	
- Bachelor and Higher Diploma / Computer Science for College of Sciences / Multimedia	
- Artificial Intelligence Bachelor's and Higher Diploma / Computer Science for College of Sciences / Artificial Intelligence	Masters In Computer Science \ Artificial Intelligence
Information Systems Bachelor's and Higher Diploma / Computer Science for College of Sciences / Information Systems	Masters In Computer Science \ Information Systems
Bachelor's and Master's / Computer Science /College of Sciences / General	PhD in Computer Science
Bachelor's and Master's /Computer Science /College of Sciences / Software	
Bachelor's and Master's /Computer Science /College of Sciences / Artificial Intelligence	
Bachelor's and Master's /Computer Science /College of Sciences / Information Systems	
Bachelor's and Master's Degrees / Computer Science /College of Sciences / Data Security	
BSc and MSc / Computer Science /College of Sciences / Network Management	
BSc and MSc / Computer Science /College of Sciences / Multimedia	

10- Materials Engineering Department	
Scientific Background	Degree / Specialization
- Bachelor of Science in Materials Engineering	M. Sc. / Materials Engineering
- Master of Science in Materials Engineering & Bachelor of Science in Materials Engineering	Ph.D. / Materials Engineering
11- computer engineering	
Scientific Background	Degree/Specialization
Bachelor in Computer Engineering – Software Engineering	M.Sc. / Computer Engineering
Bachelor in Computer Engineering – Computer Networks Engineering	
Bachelor in Computer Engineering – Information Engineering	
12- Production Engineering and Metallurgy	
Scientific Background	Degree/Specialization
Bachelor's Production Engineering	MSc Production Engineering
Bachelor's Production and Metallurgy Engineering	
Bachelor's Computer Aided Design and Manufacturing	
Bachelor's Mechanical Engineering	
Bachelor's Metallurgy Engineering	MSc Metallurgy Engineering
Bachelor's Production and Metallurgy Engineering	
Bachelor's Industrial Engineering	

Bachelor's Production and Metallurgy Engineering	MSc Industrial Engineering
Bachelor's Mining Engineering and Mineral Extraction	MSc Extraction Engineering
Bachelor's Production Engineering	phD Production Engineering
Bachelor's Production and Metallurgy Engineering	
Bachelor's Computer Aided Design and Manufacturing	
Bachelor's Mechanical Engineering	
MSc Production Engineering	
MSc Mechanical Engineering	
Bachelor's Metallurgy Engineering	
Bachelor's Production and Metallurgy Engineering	
MSc Metallurgy Engineering	
Bachelor in Civil Engineering	Higher Diploma in Geographic Information Systems (GIS)
Bachelor in Surveying Engineering	
MSc Metallurgy Engineering	

Scientific background	
13- Civil Engineering	
Scientific Background	The Study and Specialization
Master in Structural ENGINEERING	Ph.D in Structural Engineering
Bacalore in Building and Construction	
Bacalor in Civil Engineering	
Higher Diploma in Structural Design of Bildings Using Computer	
Higher Diploma in Design of Bridges	
Master in Building Materials	Ph.D in Buuilding Materials Engineering
Master in Structural ENGINEERING	
Bacalore in Building and Construction	
Bacalor in Civil Engineering	
Master in Highway and Transportation Engineering	Ph.D. in Highway and Transportation Engineering
Master in Highway and Airport Engineering	
Master in Transportation and Highway Engineering	
Master in Transportation Engineering	
Bacalore in Building and Construction	
Bacalor in Civil Engineering	

Bacalore in Highway and Transportation Engineering	
Bacalor in Surveying Engineering	
Higher Diploma in Highway and Transportation Engineering	
Higher Diploma in Traffic Engineering	
Higher Diploma in Bridge Engineering	
Bacalore in Building and Construction	
Bacalor in Civil Engineering	M.Sc. In Geotechnical Engineering
Higher Diploma in Pile Engineering	
Higher Diploma in Soil Mechaniccs	
Bacalore in Building and Construction	
Bacalor in Civil Engineering	
Bacalor in Sanitary and Environmental Engineering	
Bacalor in Sanitary Engineering	M.Sc. In Environmental Engineering
Higher Diploma in Environmental Impact Evaluation	
Higher Diploma in Control of Water Pollution	
Higher Diploma in Analsis and Design of Drining Water Using Computer	
Higher Diploma in Environmental Engineering	
Bacalore in Building and Construction	
Bacalor in Civil Engineering	Higher Diploma in Highway and
Bacalore in Highway and Transportation Engineering	

	Transportation Engineering+A65
Bacalore in Building and Construction	Higher Diploma in Environmental Impact Analsis
Bacalor in Civil Engineering	
Bacalor in Sanitary and Environmental Engineering	
Bacalor in Environmental Engineering	
Bacalore in Building and Construction	Higher Diploma in Geographic Information Systems (GIS)
Bacalor in Civil Engineering	
Bacalor in Surveying Engineering	