| Major Disciplines | Mandatory courses at 10+2 Level | Other relevant course(s) for this discipline | Corresponding Course(s) | Under Graduate Degree Courses of corresponding major Disciplines |
|-----------------------------|--|--|-----------------------------|--|
| Aeronautical Engineering | Physics, Chemistry, Maths | NA | Aeronautical Engineering | Aero Space Engineering |
| | | | | Aeronautical Engineering |
| | | | | Aircraft Maintenance Engineering |
| | Physics, Chemistry OR Agriculture stream | Maths/Biology/ Biotechnology/ Agriculture/ Agriculture stream | Agriculture Engineering | Agricultural Engineering |
| Agriculture | | | | Agricultural Technology |
| Engineering | | | | Agriculture Engineering |
| | | As per the COA | As per the COA | Architectural Assistantship |
| | | | | Architectural Engineering |
| | | | | Architecture and Interior Decoration |
| Architecture and | As per the | | | Architecture Assistantship |
| Planning | COA | | | Architecture |
| | | | | Architecture (Interior Design) |
| | | | | Building Engineering and Construction Management |
| | | | | Interior Design |
| | Maths | For remaining two courses select any courses out of 14# | Planning | Environmental Planning |
| | | | | Infrastructure Planning |
| | | | | Planning |
| Planning | | | | Urban and Regional Planning |
| 1 lallilling | | | | Urban Design |
| | | | | Urban Planning |
| | | | | Urban Regeneration |
| | | | | Urban Transport Planning and Management |
| | Physics, Chemistry | Select any one from Bio/Biotechnology/Maths | Biotechnology | Biotechnology |
| Biotechnology | | | | Biotechnology and BioChemical Engineering |
| | | | | Industrial Biotechnology |
| Ceramic Engineering | Physics, Chemistry, Maths | NA | Ceramic Engineering | Cement and Ceramic Technology |
| | | | | Ceramic Engineering and Technology |
| | | | | Ceramic Technology |
| | | | | Ceramics Engineering |

| Mandatory Col. 1. (As Per the AIC LE APH 2022 Appendix 1 – Table -1.3(a)) and Appendix - 6 of AIC LE | | | | |
|---|--------------------------|---|--|--|
| Major Disciplines | courses at 10+2 Level | Other relevant course(s) for this discipline | Corresponding Course(s) | Under Graduate Degree Courses of corresponding major Disciplines |
| Civil Engineering | | NA | Civil Engineering | Building and Construction Technology Civil and Rural Engineering Civil Engineering Civil Engineering and Planning Civil Engineering (Construction Technology) Civil and Infrastructure Engineering Civil Technology Construction Engineering Construction Engineering Construction Engineering and Management Construction Technology Construction Technology Construction Technology and Management Geo Informatics Civil and Environmental Engineering Civil Engineering (Environmental Engineering) |
| | | | Environment Engineering | Civil Engineering Environment and Pollution Control Environment Engineering Environmental Engineering Environmental Science and Engineering Environmental Science and Technology Civil Engineering (Environmental Engineering) Civil Engineering (Public Health Engineering) Environmental Planning Civil and Water Management Engineering |
| Computer Science and Engineering | Physics, Maths | For remaining single course select any courses out of 14# | Computer Science and Engineering | 3-D Animation and Graphics Advanced Computer Application Computer and Communication Engineering Computer Engineering Computer Engineering and Application Computer Networking Computer Science and Engineering Computer Science Computer Science and Technology Computer Science and Information Technology Computer Science and Systems Engineering Computer Science and Systems Engineering Computer Technology Computing in Computing Computing in Multimedia Computing in Software Electrical and Computer Engineering Electronics and Computer Science Electronics and Computer Engineering Mathematics and Computing Software Engineering Information and Communication Technology Information Science and Engineering Information Science and Technology Information Technology Information Technology Information Technology Information Technology Information Technology |

| Major Disciplines | Mandatory courses at 10+2 Level | Other relevant course(s) for this discipline | Corresponding Course(s) | Under Graduate Degree Courses of corresponding major Disciplines |
|-------------------|---------------------------------------|---|--------------------------------------|---|
| | 10+2 Level | | ** | Chemical and Electro Chemical Engineering |
| | | | | BioChemical Engineering |
| | | | Chemical | Chemical Engineering |
| | | NA | Engineering | Chemical Engineering (Plastic and Polymer) |
| | | | | Chemical Technology |
| | | | | Dye Stuff Technology |
| | | | | Surface Coating Technology |
| | | | Oil and Paint Technology | Oil and Paint Technology |
| | | | | Oil Technology |
| | | | | Oils, Oleo Chemicals and Surfactants Technology |
| | | | | Paint Technology |
| Chemical | Physics, | | | PetroChemistry and Petroleum Refinery Engineering |
| Engineering | Chemistry, | | | PetroChemical Engineering |
| | Maths | | PetroChemical | PetroChemical Technology |
| | | | Engineering | Petroleum Engineering |
| | | | | Petroleum Technology |
| | | | | Plastic and Polymer Engineering |
| | | | | Plastics Engineering |
| | | | | Plastics Technology |
| | | | Plastic and Polymer Technology | Polymer Engineering |
| | | | | Polymer Engineering Polymer Engineering and Technology |
| | | | | , c c |
| | | | | Polymer Science and Chemical Technology |
| | | | | Polymer Science and Technology |
| | | NY.A | | Polymer Technology |
| | Physics, | NA | Dairy Engineering | Dairy Engineering |
| Dairy Engineering | Chemistry, Maths | | | Dairy Technology |
| | Physics, Maths | For remaining single course select any courses out of 14# | Electrical Engineering | Electrical and Computer Engineering |
| | | | | Electrical and Electronics (Power System) |
| | | | | Electrical and Electronics Engineering |
| | | | | Electrical and Instrumentation Engineering |
| | | | | Electrical and Mechanical Engineering |
| | | | | Electrical and Power Engineering |
| Electrical | | | | Electrical Engineering |
| Engineering | | | | Electrical Engineering (Electronics and Power) |
| 88 | | | | Electrical Engineering Industrial Control |
| | | | | Electrical Instrumentation and Control Engineering |
| | | | | Electrical, Electronics and Power |
| | | | | Electronics and Computer Science |
| | | | | |
| | | | | Electronics and Electrical Engineering |
| | 731 . | 27. | | Electronics and Power Engineering |
| Energy | Physics, | NA | Energy | Energy and Environmental Management |
| Engineering | Chemistry, | | Engineering | Energy Engineering |
| , | Maths | | | |

| | Mandatory | Oth | C | Hadan Cardanta D. C. |
|-------------------------|--------------------------|---|---|--|
| Major Disciplines | courses at 10+2 Level | Other relevant course(s) for this discipline | Corresponding Course(s) | Under Graduate Degree Courses of corresponding major Disciplines |
| Electronics Engineering | Physics, Maths | For remaining one course select any course out of 14# | Electronics Engineering | Biomedical Engineering Digital Techniques for Design and Planning Electrical and Electronics Engineering Electronic Engineering Electronic Engineering Electronic Science and Engineering Electronics and Computer Science Electronics and Computer Engineering Electronics and Computer Engineering Electronics and Computer Engineering Electronics and Electrical Engineering Electronics and Power Engineering Electronics Design Technology Electronics Design Technology Electronics System Engineering Electronics Technology Optics and Optoelectronics Power Electronics Power Electronics Engineering Radio Physics and Electronics |
| | | | Electronics and Communication Engineering | Advanced Communication and Information System Advanced Electronics and Communication Engineering Applied Electronics and Communications Biomedical Engineering Communication Engineering Electronics and Communication Engineering Electronics and Communication Engineering (Industry Integrated) Electronics and Telecommunication Engineering Electronics and Telecommunication Engineering Electronics Radio) Electronics and Communication Engineering Electronics and Communication Engineering Electronics and Communication Engineering (Microwaves) Electronics Communication and Instrumentation Engineering Electronics and Telematics Engineering |
| | | | Instrumentation Engineering | Telecommunication Engineering Applied Electronics and Instrumentation Engineering Automation and Robotics Automation Engineering Biomedical Instrumentation Electrical Engineering Industrial Control Electrical Instrumentation and Control Engineering Electronic Instrumentation Engineering Electronics and Instrumentation Engineering Electronics and Instrumentation Engineering Electronics and Instrumentation Engineering Electronics and Instrumentation Engineering Electronics Instrumentation and Control Engineering Power Electronics and Instrumentation Engineering Electronics Communication and Instrumentation Engineering Electronics Communication and Control Engineering Instrument Technology Instrumentation Instrumentation and Control Engineering Instrumentation and Control Engineering Instrumentation Engineering Instrumentation Engineering Instrumentation Engineering Instrumentation Engineering Instrumentation Technology Power Electronics and Instrumentation Engineering |
| | | | Mechatronics Engineering | Robotics and Automation Mechatronics Mechatronics Engineering Medical Electronics Engineering |
| | | | Medical Electronics | Medical Electronics Engineering Medical Electronics Medical Lab Technology Electronics and Biomedical Engineering |

| Major Disciplines | Mandatory courses at | Other relevant course(s) for this discipline | Corresponding Course(s) | Under Graduate Degree Courses of corresponding major Disciplines | | |
|---------------------------|---|--|----------------------------|---|--|--|
| | 10+2 Level | изстрине | | Electrical and Mechanical Engineering | | |
| | | | Mechanical Engineering | Mechanical Engineering (Industry Integrated) Mechanical Engineering Mechanical Engineering (Repair and Maintenance) | | |
| | | | | Power Engineering (Repair and Maintenance) | | |
| | | | | Industrial and Production Engineering | | |
| Mechanical Engineering | | NA | Production Engineering | Machine Engineering | | |
| | | | | Manufacturing Engineering Manufacturing Engineering and Automation | | |
| | Physics, Chemistry, Maths | | | Manufacturing Engineering and Automation Manufacturing Engineering and Technology | | |
| | | | | Manufacturing Process and Automation Engineering | | |
| | | | | Manufacturing Science and Engineering | | |
| | | | | Manufacturing Technology | | |
| | | | | Mechanical Engineering (Production) Precision Manufacturing | | |
| | | | | Production and Industrial Engineering | | |
| | | | | Production Engineering | | |
| | | | | Tool Engineering | | |
| | | | Automobile Engineering | Automobile Engineering Automobile Maintenance Engineering | | |
| | | | | Automobile Maintenance Engineering Automotive Technology | | |
| | | | | Mechanical Engineering (Automobile) | | |
| | | | | Mechanical Engineering Automobile | | |
| | | | Industrial | Industrial and Production Engineering Industrial Engineering | | |
| | | | Engineering | Industrial Engineering Industrial Engineering and Management | | |
| | | | Mechatronics | Mechanical and Automation Engineering | | |
| | | | Engineering | Mechatronics | | |
| | Dhysias | 37.1 | Engineering | Mechatronics Engineering | | |
| Fire and Safety | Physics, | NA | Fire and Safety | Fire Technology and Safety Safety and Fire Engineering | | |
| Engineering | Chemistry, Maths | | Engineering | Safety and the Engineering | | |
| | Iviatiis | For remaining two courses | | Food Engineering and Technology | | |
| | | select any courses out of 14# | Food Engineering | Food Processing and Preservation | | |
| Food Engineering | Chemistry | select any courses out of 14# | | Food Processing Technology | | |
| | | | | Food Technology | | |
| Leather | | For remaining two courses | Leather | Food Technology and Management Foot Wear Technology | | |
| Technology | Chemistry | select any courses out of 14# | Technology | Leather Technology | | |
| Technology | | select any courses out of 14# | Technology | =: | | |
| Marine | Physics, Chemistry, Maths | NA | Marine Engineering | Naval Architecture and Ship Building Engineering Shipbuilding Engineering | | |
| Engineering | | | | Marine Engineering | | |
| | | | | Marine Technology | | |
| | Physics, Chemistry, Maths | | Metallurgy Engineering | Material Science and Technology | | |
| Metallurgy | | NA | | Metallurgical and Materials Engineering Metallurgical Engineering | | |
| Engineering | | | | Metallurgy | | |
| | 14141115 | | | Metallurgy and Material Technology | | |
| Militory | Physics, | NA | Military | Military Engineering | | |
| Military Engineering | Chemistry, | | Engineering | | | |
| Engineering | Maths | | Engineering | | | |
| Maria | Physics, | NA | Minim | Mine Engineering | | |
| Mining Engineering | Chemistry, | | Mining | Mining Engineering | | |
| Engineering | Maths | | Engineering | | | |
| | Physics, | | Mone | Nano Science and Technology | | |
| Nano Technology | Chemistry, | NA | Nano | Nano Technology | | |
| | Maths | | Technology | Nano Technology and Robotics | | |
| Nuclear Science | Physics, | NA | Nuclear Science | Nuclear Science and Technology | | |
| And | Chemistry, | | And | | | |
| Technology | Maths | | Technology | | | |
| Packaging | NT A | Select any courses out of 14# | Packaging | Packaging Technology | | |
| Technology | NA | | Technology | Printing and Packing Technology | | |
| Pharmaceutical | Physics, | Select any one from | Pharmaceutical | Pharmaceuticals and Fine Chemical Technology | | |
| Engineering | Chemistry | Bio/Biotechnology/Maths | Engineering | Pharmaceutical Chemical and Technology | | |
| Note: | | 1 | 3 | | | |
| 1 | | , | | with Biology/Biotechnology background have adequate udying field for the rest of the semesters. | | |
| 1 | | | | | | |
| 2 | # Physics/ Mathematics / Chemistry/ Computer Science/Electronics/Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business | | | | | |
| | Studies/Entrepreneurship | | | | | |
| 3 | $Refer\ ANNEXURE-6\ of\ APH\ 2022\ -\ Major\ Disciplines, their\ corresponding\ Courses\ and\ Relevant/\ Appropriate\ Branch\ of\ Underlands$ | | | | | |
| 3 | Graduate Degree in Engineering and Technology | | | | | |