

English Communication: (ENG 101)	A course focusing on workplace communication. Students learn business letter writing, group discussions, debates, and oral presentations.
Calculus I (GSMA 101):	Introduces differential calculus, covering limits, continuity, differentiation, and their applications in science and technology.
General Physics (GSPH 101):	An algebra-based course covering motion, energy, electricity, magnetism, heat, and light. It includes laboratory activities for hands-on learning.
Physical Education (GSPE 101):	A physical education course aimed at enhancing physical fitness and promoting well-being through various exercises.
Electric Circuits I (ELET 101):	Covers basic electrical circuit concepts such as current, voltage, power, Ohm's law, KVL, KCL, and circuit theorems, supported by laboratory experiments.
Computer Programming(ELET 104):	Introduces problem-solving techniques using the C programming language, covering control statements, arrays, pointers, and structures, with lab exercises.
General Chemistry (GSCH 101):	Covers atomic structure, chemical bonding, gases, solutions, thermochemistry, acids, bases, and electrochemistry, supported by lab experiments
Calculus II (GSMA 102):	Focuses on integral calculus, including techniques of integration, applications of definite integrals, and introductory differential equations.
English Composition (ENG 102):	Focuses on written technical communication, exposing students to technical writing, data presentation, and producing technical reports.
Electrical Circuits II (ELET 102):	Covers alternating current circuits, three-phase systems, resonance, and filters, with theory supported by lab experiments.

Electrical Machines I (ELET 103):	Introduces magnetism, magnetic circuits, DC machines, transformers, and their industrial applications, with laboratory support.
Electronics I (ELET 105):	Covers semiconductors, diodes, transistors, operational amplifiers, amplifiers, oscillators, and regulated power supplies, with practical lab experiments.
Applied Statistics (GSST 201):	Covers statistical methods, including data analysis, probability, hypothesis testing, regression, and variance analysis, with one lab session per week.
Industrial Safety (ENGT 201):	Focuses on workplace safety, risk management, safety equipment, accident prevention, and industrial safety laws and standards.
Basic Industrial Electronics (ELET 201):	Introduces power electronic devices and their applications in industry, covering rectifiers, controllers, converters, and troubleshooting power supplies.
Digital Electronics I (ELET 202):	Covers digital electronics, including logic gates, Boolean algebra, flip-flops, counters, and basic microprocessor concepts, supported by lab exercises.
Control System Components (ELET 203):	Introduces process control systems, control system components, and programmable logic controllers (PLCs), with lab exercises using Simulink.
Electrical Installations (ELET 221):	Focuses on electrical installation practices, power requirements, layout drawings, conduit installation, and adherence to national electrical codes.
Electrical Machines II (ELET 222):	Covers poly-phase systems, three-phase transformers, induction motors, alternators, and industrial motor testing, with hands-on lab support.

Islamic Ideology and Thoughts (GSIS 101):	Explores Islamic beliefs, principles, and thoughts, focusing on their application in daily life.
Technical Report Writing (ENG 201):	Enhances skills in writing technical reports, incorporating visuals and graphics to improve clarity and effectiveness.
Industrial Supervision (ENGT 202):	Provides knowledge on the role of supervision in industry, focusing on the responsibilities of supervisors and the skills required for effective management.
Electrical Motor Control (ELET 223):	Covers industrial control systems, including manual and automatic motor control, electromagnetic devices, and control circuits, with lab exercises.
Electrical Power Systems (ELET 224):	An introduction to power systems, covering power generation, transmission, distribution, substations, switchgear, and power factor correction, with lab work.
Electrical Troubleshooting and Maintenance (ELET 225):	Covers troubleshooting and maintenance techniques for electrical machines and systems, including safety procedures, testing, and repair practices.
Co-op Training (ELET 320):	A hands-on industrial training program where students apply their knowledge in a real work environment, concluding with a technical report and presentation.