

IAT Secondary Program

Cluster Requirements Course Details Engineering Science - Energy

G9

Semester 1

ATE - 0910 3
Technology
Exploration

Semester 2

HST - 0920 3
Health &
Wellness-I

G10

Semester 1

HST - 1010 3|2*
Health &
Wellness-II

ATE - 1012 5|2*
Electrical
Workshop

Semester 2

ATM - 1020 3|2*
Auto CAD
2D-I

ATM - 1022 5|2*
Mechanical
Workshop

G11

Semester 1

MAT - 1110 4
Engineering
Mathematics-I **

PHY - 1110 3
Advanced
Physics-I **

CHM - 1110 3
Chemistry-I

ATE - 1116 4
Introduction to
Engineering Processes

Semester 2

MAT - 1120 4
Engineering
Mathematics-II **

PHY - 1120 3
Advanced
Physics-II **

CHM - 1120 3
Chemistry-II

ATE - 1126 4
Process
Monitoring

G12

Semester 1

MAT - 1210 5
Engineering
Mathematics-III **

PHY - 1210 4
Advanced
Physics-III **

PHY - 1212 3
Thermodynamics

ATE - 1216 4
Process
Control

Semester 2

MAT - 1220 5
Engineering
Mathematics-IV **

ATM - 1226 4
Nuclear Energy
Fundamentals

ATE - 1226 3
Energy: Sources
Safety & Environment

GES - 1220 4
Engineering
Project

* **Transitional Plan 2010-2011**

** **Outcomes:** SAT-MATH Level II
SAT-PHYSICS