

IAT Secondary Program

Cluster Requirements Course Details

Applied Engineering - Mechanical

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

ATM - 1110 3
Auto CAD 2D-II

ATE - 1110 4
Electrical Fundamentals

ATM - 1112 4
Engineering Materials

ATE - 1112 3
Electrical Installation-I

Semester 2

ATM - 1120 3
Auto CAD 2D-III

ATE - 1120 4
Measurements & Instrumentation

ATM - 1122 4
Basic Hydraulics & Pneumatics

ATE - 1122 3
Robotics

G12

Semester 1

ATM - 1210 3
Auto CAD 3D-I

ATM - 1212 6
Machining

ATM - 1214 5
Pneumatic Systems

GAE - 1 210 2
Graduation Project-I

Semester 2

ATM - 1220 3
Auto CAD 3D-II

ATM - 1222 6
CNC Machinery

ATM - 1224 5
Mechanical Drives

GAE - 1220 2
Graduation Project-II

* Transitional Plan 2010-2011