

Course Outline

Associate of Science in Electronic Physics

The Program Structure:

Course Code	AS: First Semester Courses	Credit
PHY 101	Communication Skills	5
PHY 102	Descriptive Statistics & Probability	5
PHY 103	Computer Fundamentals & Applications	5
PHY 104	Introduction to Earth Science	5
PHY 105	Linear Algebra and Geometry	5
PHY 106	Calculus	5
TOTAL CREDITS		30
Course Code	AS: Second Semester Courses	Credit
PHY 111	Introduction to Physics	5
PHY 112	Introduction to Classical Mechanics	5
PHY 113	Introduction to Wave Motor & Heat	5
PHY 114	Introduction to Electricity & Magnetism	5
PHY 115	Organic Chemistry	5
PHY 116	General Mathematics	5
TOTAL CREDITS		30
Course Code	AS: Third Semester Courses	Credit
PHY 201	Circuit Theory	5
PHY 202	Biophysics	5
PHY 203	Physics of Materials	5
PHY 204	Industrial Electronics	5
PHY 205	Electronics & Communication Technology	5
PHY 206	Thermodynamics	5
TOTAL CREDITS		30
Course Code	AS: Fourth Semester Courses	Credit
PHY 211	Probability and Statistics	5
PHY 212	Mechanics and Fluids	5
PHY 213	Electromagnetism	5
PHY 214	Numerical and Computational Methods	5
PHY 215	Mathematical Methods	5
PHY 216	Solid State Physics	5
TOTAL CREDITS		30

Application processing, admissions and registrations for the new Academic Session are currently in progress.



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