Rev. 03/20/13
UNIVERSITY OF NORTH ALABAMA / UNIVERSITY OF ALABAMA
Effective Fall 2014
Physics / Mechanical Engineering
Dual Degree Engineering Program

 First Semester Second Semester
 Grade Grade
UNA – Year 1 EN 111 or EN 121 3 hrs. EN 112 or EN 122 3 hrs.
 1
st
 History Course 3 hrs. 2
nd
 History Course 3 hrs.
 MA 125 Calculus I 4 hrs. MA 126 Calculus II 4 hrs.
 PH 251 Technical Physics I 5 hrs. PH 252 Technical Physics II 5 hrs.

 TOTAL 15 hrs. TOTAL 15 hrs.

UNA – Year 2 COM 201 Speech 3 hrs. 1
st
 Social & Behav. Sci. Elec 3 hrs.
 AEM 201 Statics (UA dist.ed.) 3 hrs. AEM 264 Dynamics (UA dist. ed.) 3 hrs.
 MA 227 Calculus III 4 hrs. MA 355 Differential Eqns 3 hrs.
 PH 343 Modern Physics 4 hrs. PH 356W Intermediate Lab. 4 hrs.
 PH 471 Classical Dynamics

3 hrs. PH 444 Quantum Mechanics

3 hrs.

 TOTAL 17 hrs. TOTAL 16 hrs.

UNA – Year 3 AEM 311 Fluid Mech (UA dist. ed.) 3 hrs. 2
nd
 Social & Behav. Sci. Elec 3 hrs.
 CS 135 Computer Skills 3 hrs. ME 215 Thermo I (UA dist. ed.) 3 hrs.
 CH 111 Chemistry 4 hrs. CS 155 Computer Sci I 3 hrs.
 PH 447 Electricity & Magnetism

3 hrs. PH 448 Electromag.Fields

3 hrs.
 PH 495 Directed Research** 2 hrs. PH 495 Directed Research** 2 hrs.
 PH 498 Senior Assess. Sem. 1 hrs.
 TOTAL 15 hrs. TOTAL 15 hrs.

UA – Year 1 ME 305 Thermo II 3 hrs.

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