

### Physics, with a concentration/emphasis in Automation & Instrumentation

All concentrations/emphasis areas are 24 hours in total. The required hours for the concentration or emphasis area are listed in the top section. The student can choose from the list of courses in the second section to complete the 24 hour requirement.

<b>Physics B.S. with a concentration in Automation &amp; Instrumentation</b>		
PHY 2700	Computer Interfacing	3
PHY 4330/5330	Digital	4
PHY 4730/5730	Analog	4
CS 2435	Intro to Scientific Programming	4
Used from 24 hours		15
Leftover		9
<b>Choose remaining 9 hours from:</b>		
PHY 4845	Nanoscience and technology	3
PHY 4860	E microscopy	4
PHY 3030	Electromagnetic waves and optics	4
PHY 4020	Computational Phys	3
PHY 5620	Optics	3
PHY 5735	Microcontrollers	4
PHY 5740	Sensors and Transducers	4
MAT 2240	Linear Algebra	3