

DUAL-DEGREE PHYSICS/ENGINEERING AT CLEMSON

Department	Course Number	Course Name	Credits	Required §T	Term Taken
Physics	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Physics/Science/Technical Electives	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
Chemistry	1101/1110	Introductory Chemistry I & Lab	4	<input type="checkbox"/>	<input type="checkbox"/>
	*1102/1120	Introductory Chemistry II & Lab	4	<input type="checkbox"/>	<input type="checkbox"/>
Computer Science	1400	FORTRAN Programming (S)	3	<input type="checkbox"/>	<input type="checkbox"/>
Mathematics	3130	Intro. to Differential Equations	3	<input type="checkbox"/>	<input type="checkbox"/>
	3310	Applications of Mathematics (F)	3	<input type="checkbox"/>	<input type="checkbox"/>
	OR				
	4310	Numerical Methods (S)	3	<input type="checkbox"/>	<input type="checkbox"/>
	OR				
Statistics	2810	Intro. to Data Analysis & Statistical Inference	3	<input type="checkbox"/>	<input type="checkbox"/>
Economics	2030	Principles of Economics - Price Theory	3	<input type="checkbox"/>	<input type="checkbox"/>
English	4700	Technical Writing (S)	3	<input type="checkbox"/>	<input type="checkbox"/>
Engineering courses at CLEMSON numbered 300 and above					
Minimum Total <u>24</u> (SH)					
	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

Courses ending with (F) or (S) indicates that the course is offered only during that term.

*1102 Chemistry is not required in some engineering disciplines, refer to curriculum.

CLEMSON: DUAL-DEGREE PHYSICS/ENGINEERING

A dual-degree program is offered in cooperation with the College of Engineering at Clemson University. This allows students to attend Appalachian for three years and Clemson University for approximately two years resulting in the awarding of two college degrees. One degree is a Bachelor of Science from Appalachian and the second is a Bachelor of Engineering from Clemson University.

Study during the first three years will include course work in mathematics, the sciences and also courses chosen to meet Appalachian's general education core curriculum and special designator requirements. Students will be housed in the most appropriate science department pertaining to the engineering major. A student will meet with a faculty committee to arrange for courses to be taken at Clemson University that will apply to meeting the remainder of the student's curriculum at Appalachian. Likewise a curriculum proposal is sent to Clemson University listing courses that will satisfy the first two years at Clemson.

During the first three semesters at Appalachian the student fills out the form "Intention to Pursue the Dual-Degree Program at Clemson University." After four semesters of work the student should apply for admission. (The actual admission will occur after six semesters.)

Upon admission as a transfer student and approval of the student's curriculum by both institutions (also implying possession of a grade point average acceptable for transfer), the student then begins two years of work in one of the engineering disciplines at Clemson university. Upon completion of this dual-degree program, the graduate is awarded a baccalaureate science degree from Appalachian and a baccalaureate engineering degree from Clemson.

Dual-degree candidates from Appalachian are eligible to seek bachelors degrees from Clemson University in ceramic engineering, civil engineering, engineering analysis, electrical engineering, industrial engineering, and mechanical engineering.

For additional information, contact Dr. Thomas L. Rokoske, Dept. of Physics and Astronomy at rokosketl@appstate.edu or (828) 262-4956 or the departmental website at: www.phys.appstate.edu