

GENERAL STUDIES, PHYSICS/ PRE-ENGINEERING PATHWAY

Associate of Science

Students completing the associates of science degree in physics/pre-engineering at Dalton State College may transfer to one of the five REPP (Regents Engineering Pathway Program) institutions within the university system of Georgia. These institutions are as follows: Georgia Institute of Technology, Kennesaw State University, Georgia Southern University, Mercer University and the University of Georgia. Each student must complete all required courses as specified by the institution before successfully transferring. REPP students will complete the first two years of the engineering degree at Dalton State College before transferring to one of the REPP institutions to complete the Bachelor of Science Degree in Engineering.

REPP (Regent's Engineering Pathway Program) should follow this program of study. For more information about the REPP program, see [/programs/#regentsengineeringtransferprogram](http://catalog.daltonstate.edu/programs/#regentsengineeringtransferprogram) (<http://catalog.daltonstate.edu/programs/#regentsengineeringtransferprogram>).

Program Course Requirements

Click here to view Core IMPACTS General Education Curriculum requirements (<http://catalog.daltonstate.edu/programs/coreimpacts/>).

Program Advice (can share with CORE curriculum):

MATH 2253	Calculus and Analytic Geom I (Required)	4
MATH 2254	Calculus and Analytic Geom II (Required)	4
PHYS 2211K	Principles of Physics I (Required)	4
PHYS 2212K	Principles of Physics II (Required)	4

Click here to view Core IMPACTS General Education Curriculum requirements (<http://catalog.daltonstate.edu/programs/coreimpacts/>).

Core IMPACTS General Education Curriculum requirements 42

NOTE: Core IMPACTS courses can also satisfy requirements in your Program of Study. Please review the requirements for your major to prevent taking extra courses. The USG Core IMPACTS curriculum is designed to ensure that students acquire essential knowledge in foundational academic areas and develop career-ready competencies. There are seven Core IMPACTS areas. Students at all USG institutions must meet the Core IMPACTS requirements in all specified areas.

Field of Study: Major Related

Sixteen hours of elective credit:	16
ASTR 1010 & 1010L	Astronomy of the Solar System and Astronomy of Solar Sys. Lab
ASTR 1010	Astronomy of the Solar System
ASTR 1020 & 1020L	Stellar and Galactic Astronomy and Stellar & Galac. Astronomy Lab
ASTR 1020	Stellar and Galactic Astronomy
BIOL 1105K	Environmental Studies
BIOL 1107K	Principles of Biology I
CHEM 1211K	Principles of Chemistry I
CHEM 1212K	Principles of Chemistry II

CMPS 1301	Principles of Programming I
CMPS 1302	Principles of Programming II
CMPS 1371	Computing for Scien & Engineer
ENGR 1105	Introduction to Engineering
ENGR 2205	Statics
ENGR 2240	Dynamics
MATH 2255	Calculus and Analytic Geom III
MATH 2256	Introduction to Linear Algebra
MATH 2403	Differential Equations
MATH 2602	Linear & Discrete Mathematics
MATH 2770	Statistics and Applications
One credit from both MATH 2253 and MATH 2254 is used to satisfy the 18-credit hour requirement for Field of Study.	
Total Hours	60