

# THE CARDINAL PLAN FOR: **PHYSICS**

***A plan for  
a successful  
college experience.***

## **BEYOND GRADUATION**

What can you do with a physics degree?

There are many opportunities for moving forward.

You may choose to attend graduate school in physics, engineering, or a related field.

SVSU students These programs often include tuition waivers, teaching assistant positions, or research fellowships.



	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
COURSEWORK	<p>Complete Math 161, Math 162 and Physics 211/211L as soon as possible</p> <p>Meet with your physics advisor in the Fall to plan your program</p>	<p>Complete Physics 212/212L and Physics 309</p> <p>Take Math 261 and Math 262 and begin 300 level Physics courses</p> <p>In Winter, talk to faculty about research projects</p>	<p>Complete required 300/400 level courses offered</p> <p>Develop your senior research plans with a faculty mentor</p> <p>Check progress on graduation requirements with faculty advisor</p>	<p>Complete remaining required courses and electives</p> <p>Graduation audit</p>
GLOBAL VIEWS	<p>Consider a foreign language as one of your General Education electives</p> <p>Visit the Marshall M. Fredricks Sculpture Museum in Arbury Hall</p>	<p>Join the American Physical Society (APS) as a student member and become acquainted with the programs they offer</p> <p>Consider an Alternative Break opportunity</p>	<p>Consider applying for the Roberts Fellowship Program</p> <p>Apply for summer internships at national labs</p>	<p>Engage state and local leaders in discussions about the importance of science education</p> <p>Reach out to welcome incoming Physics majors</p>
COMMUNITY ENGAGEMENT	<p>Initiate conversations with faculty members at SVSU and, when appropriate, members of community organizations to gain an understanding of what opportunities exist</p>	<p>Participate in SVSU and community volunteer activities</p> <p>Participate in Physics Club and Physics Department outreach activities</p>	<p>Present your research progress at a local APS/AAPT meeting as appropriate</p> <p>Seek volunteering for local tutoring of youth science programs in the area</p>	<p>Present your research results at a local APS/AAPT meeting</p> <p>Continue volunteering or outreach activities within the community</p>
CAMPUS ENGAGEMENT	<p>Get involved with the Physics Club</p> <p>Become aware of campus events and make a point of attending as you can</p>	<p>Ask faculty about a research project</p> <p>Participate in Physics Club and Physics Department outreach activities</p>	<p>Explore the possibility of tutoring in the CAA</p> <p>Present a project overview of your research project to Physics Club</p>	<p>Serve your Physics Club in a leadership role</p> <p>Present research at the SE&amp;T symposium and/or the UGRP symposium</p>
CAREER PREPARATION	<p>Meet with a Physics advisor/faculty member to learn about various majors within the Physics program related to career planning</p>	<p>Learn about different areas of Physics from publications like Physics Today and conversations with faculty members</p> <p>Register with Career Services</p>	<p>Survey graduate schools/programs. Prepare for GREs</p> <p>Survey potential employment in industry by attending job fairs on campus</p>	<p>Request recommendation letters from faculty and apply to graduate schools or for jobs</p> <p>Visit graduate schools</p>