

Quantum Technology, MS

Example Roadmaps

San José State University

Physics project graduate: Admitted in odd years (e.g., Fa 2023)

<i>Quantum Technology - Advising Roadmap - Sample Recommended Course Sequence</i>			
<i>Year One (13 units)</i>			
<i>Fall</i>	<i>Units</i>	<i>Spring</i>	<i>Units</i>
<i>PHYS 161</i>	3	<i>PHYS 250</i>	3
<i>EE 295*</i>	3	<i>PHYS 263A</i>	3
		<i>PHYS 297</i>	2
	<i>Total: 6</i>		<i>Total: 8</i>
<i>Year Two (17 units)</i>			
<i>Fall</i>	<i>Units</i>	<i>Spring</i>	<i>Units</i>
<i>EE 225</i>	3	<i>EE 274</i>	3
<i>PHYS 253</i>	3	<i>PHYS 240</i>	3
<i>PHYS 297</i>	2	<i>PHYS 298 (Project)</i>	2
	<i>Total: 8</i>		<i>Total: 8</i>
		<i>Total Units:</i>	30

* = GWAR requirement

Boldface = Core Technical Courses

Physics project graduate: Admitted on even years (e.g., Fa 2024)

<i>Quantum Technology - Advising Roadmap - Sample Recommended Course Sequence</i>			
<i>Year One (15 units)</i>			
<i>Fall</i>	<i>Units</i>	<i>Spring</i>	<i>Units</i>
<i>PHYS 161</i>	3	<i>EE 274</i>	3
<i>PHYS 253</i>	3	<i>PHYS 263A</i>	3
<i>EE 295*</i>	3	<i>PHYS 297</i>	2
	<i>Total: 9</i>		<i>Total: 8</i>
<i>Year Two (15 units)</i>			
<i>Fall</i>	<i>Units</i>	<i>Spring</i>	<i>Units</i>
<i>EE 250</i>	3	<i>PHYS 250</i>	3
<i>PHYS 275</i>	3	<i>PHYS 299 (Thesis)</i>	2
<i>PHYS 297</i>	2		
	<i>Total: 8</i>		<i>Total: 5</i>
		<i>Total Units:</i>	30

* = GWAR requirement

Boldface = Core Technical Courses

Electrical Engineering Project graduate: Admitted on odd years (e.g. Fa 2023)

<i>Quantum Technology - Advising Roadmap - Sample Recommended Course Sequence</i>			
<i>Year One (18 units)</i>			
<i>Fall</i>	<i>Units</i>	<i>Spring</i>	<i>Units</i>
<i>Phys 161</i>	3	<i>EE 226</i>	3
<i>EE 295*</i>	3	<i>EE 250</i>	3
<i>EE 225</i>	3	<i>PHYS 250</i>	3
	<i>Total: 9</i>		<i>Total: 9</i>
<i>Year Two (12 units)</i>			
<i>Fall</i>	<i>Units</i>	<i>Spring</i>	<i>Units</i>
<i>PHYS 253</i>	3	<i>EE 274</i>	3
<i>EE 297A (Project)</i>	3	<i>EE 297B (Project)</i>	3
	<i>Total: 6</i>		<i>Total: 6</i>
		<i>Total Units:</i>	<i>30</i>

* = GWAR requirement

Boldface = Core Technical Courses

Electrical Engineering Project Graduate: Admitted on even years (e.g. Fa 2024)

<i>Quantum Technology - Advising Roadmap - Sample Recommended Course Sequence</i>			
<i>Year One (15 units)</i>			
<i>Fall</i>	<i>Units</i>	<i>Spring</i>	<i>Units</i>
<i>Phys 161</i>	3	<i>EE 295*</i>	3
<i>PHYS 253</i>	3	<i>EE 274</i>	3
<i>EE225</i>	3		
	<i>Total: 9</i>		<i>Total: 6</i>
<i>Year Two (15 units)</i>			
<i>Fall</i>	<i>Units</i>	<i>Spring</i>	<i>Units</i>
<i>EE 250</i>	3	<i>PHYS 250</i>	3
<i>EE299A (Thesis)</i>	3	<i>EE 226</i>	3
		<i>EE299B (Thesis)</i>	3
	<i>Total: 6</i>		<i>Total: 9</i>
		<i>Total Units:</i>	<i>30</i>

* = GWAR requirement

Boldface = Core Technical Courses