

# M.S., PHYSICS

## Program Requirements

### Minimum Requirements for Physics M.S. Degree: 30-33 credits

Code	Title	Credits
<b>General University Requirements</b>		
Complete the general university requirements. ( <a href="https://catalog.uaf.edu/archives/2020-2021/graduate/mastersdegrees/#generaluniversityrequirementstext">https://catalog.uaf.edu/archives/2020-2021/graduate/mastersdegrees/#generaluniversityrequirementstext</a> )		
<b>Master's Degree Requirements</b>		
Complete the master's degree requirements. ( <a href="https://catalog.uaf.edu/archives/2020-2021/graduate/mastersdegrees/#masterofsciencewithprojecttext">https://catalog.uaf.edu/archives/2020-2021/graduate/mastersdegrees/#masterofsciencewithprojecttext</a> )		
<b>Physics Program Requirements</b>		
Complete four from the following:		12
PHYS F611	Mathematical Physics I	
PHYS F612	Mathematical Physics II	
PHYS F621	Classical Mechanics	
PHYS F622	Statistical Mechanics	
PHYS F631	Electromagnetic Theory	
PHYS F632	Electromagnetic Theory	
PHYS F651	Quantum Mechanics	
PHYS F652	Quantum Mechanics	
<b>Thesis or Non-thesis Requirements</b>		
Complete the thesis or non-thesis option		18-24

## THESIS OPTION

### Minimum Requirements for Physics M.S. Degree with Thesis Option: 30 credits <sup>1</sup>

Code	Title	Credits
<b>Thesis Requirements</b>		
Complete the following:		
PHYS F699	Thesis	6-12
Complete 12 credits from the following:		12
Approved PHYS F600-level courses		
Approved ATM F600-level courses		

## NON-THESIS OPTION

### Minimum Requirements for Physics M.S. Degree with Non-thesis Option: 33 credits <sup>2</sup>

Code	Title	Credits
<b>Non-thesis Requirements</b>		
Complete the following:		
PHYS F698	Non-thesis Research/Project	3-6
Complete 18 credits from approved courses		18

<sup>1</sup> At least 24 credits must be regular course work.

<sup>2</sup> At least 30 credits must be regular course work.