

PHYSICS WITH COMPUTATIONAL PHYSICS CONCENTRATION M.S.

Program Requirements

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Minimum Requirements for Physics with Computational Concentration M.S.: 30-33 credits

| Code | Title | Credits |
|--|--|--------------|
| General University Requirements | | |
| Complete the graduate general university requirements. (https://catalog.uaf.edu/masters/#gurmastersdegreestext) | | |
| Master's Degree Requirements | | |
| Complete the master's degree requirements. (https://catalog.uaf.edu/masters/#typesofmastersdegrees) | | |
| Physics with Computational Concentration Program Requirements | | |
| Complete the following: | | |
| PHYS F611 | Mathematical Physics I | 3 |
| PHYS F612 | Mathematical Physics II | 3 |
| PHYS F629 | Methods of Numerical Simulation in Fluids and Plasma | 3 |
| Complete at least 3 credits from the following: | | 3 |
| Approved MATH F600-level courses (excluding PHYS F611 and PHYS F612) | | |
| Approved CS F600-level courses | | |
| Complete 6 credits of approved PHYS F600-level courses | | 6 |
| Options | | |
| Complete one of the following: | | 12-18 |
| Thesis Option | | |
| Non-thesis Option | | |
| Total Credits | | 30-36 |

Options

THESIS OPTION

Minimum Requirements for Thesis Option: 30 credits

| Code | Title | Credits |
|--|--------|--------------|
| Thesis Requirements | | |
| Complete the following: | | |
| PHYS F699 | Thesis | 6-12 |
| Complete 6 credits from approved PHYS F600-level courses | | 6 |
| Total Credits | | 12-18 |

NON-THESIS OPTION

Minimum Requirements for Non-thesis Option: 33 credits ¹

| Code | Title | Credits |
|--|-----------------------------|--------------|
| Non-thesis Requirements | | |
| Complete the following: | | |
| PHYS F698 | Non-thesis Research/Project | 3-6 |
| Complete 9 credits from approved PHYS F600-level courses | | 9 |
| Total Credits | | 12-15 |

¹ At least 30 credits must be regular coursework.