**Physics-Meteorology Sample Schedule of Required Courses:**

Some upper-level meteorology courses are offered in alternate years. This results in two possible cycles

depending on whether the alternate year courses fall in a student’s junior or senior year.

# Cycle 1 – Dynamic Meteorology in Year 4 (entry in even numbered years):

|  |  |  |
| --- | --- | --- |
| **Year** | **Fall****Course Credits** | **Spring****Course Credits** |
| Year 1 | PHYS 1901 – Seminar 1 | PHYS 2051 – Physics 1 5 |
|  | MATH 2301 – Calculus I 4 | MATH 2302 – Calculus II 4 |
|  | GEOG 1010 – Physical Geog 4 | GEOG 2710 - Intro Stats in Geog 3 |
|  | CHEM 1510 – Intro Chem I 4 | *Freshman English Composition* 3 |
|  | Elective 2 |  |
|  | Total 15 | Total 16 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year 2 | PHYS 2052 – Physics 2 | 5 | PHYS 2053 – Modern Physics | 3 |
|  | MATH 3300 – Calculus III | 4 | MATH 3400 – Diff Eqs. | 3 |
|  | GEOG 3010 – Meteorology | 4 | GEOG 3030 – Observation | 1 |
|  | GEOG 1100 – Human Geog | 3 | ET 2100 – Programming in C | 4 |
|  |  |  | *Elective* | 4 |
|  | Total | 16 | Total | 15 |
| Year 3 | PHYS 3001 – Classical Mech. | 4 | PHYS 3011 – Thermodynamics | 3 |
|  | GEOG 3040 – Practicum | 1 | GEOG 3020 – Climatology | 4 |
|  | *Junior English Composition* | 3 | GEOG 3050 – Physical Meteorol | 3 |
|  | *Elective* | 4 | GEOG 4060 – Synoptic Meteorol | 4 |
|  | *Elective* | 3 | MATH 4100 – PDEs & Fourier | 3 |
|  | Total | 15 | Total | 17 |
| Year 4 | GEOG 4080 - Dyn Meteorol 1 | 3 | GEOG 4090 - Dyn Meteorol 2 | 3 |
| *Elective* 3 | GEOG 4070 – Mesoscale Meteorol 4 |
| *Elective* | 3 | PHYS 2701 – Electronics lab | 2 |
| *Foreign Language* | 4 | *Foreign Language* | 4 |
| *Elective* | 3 | *Elective* | 3 |
| Total | 16 | Total | 15 |

**Cycle 2 – Dynamic Meteorology in Year 3 (entry in odd numbered years):**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Fall****Course Credits** | **Spring Course** | **Credits** |
| Year 1 | MATH 2301 – Calculus I 4 | MATH 2302 – Calculus II | 4 |
|  | GEOG 1100 – Physical Geog 4 | PHYS 2051 – Physics 1 | 5 |
|  | CHEM 1510 – Intro Chem I | 4 | *Freshman English Composition* | 3 |
|  | PHYS 1901 – Seminar | 1 | ET 2100 – Programming in C | 4 |
|  | *Elective (Tier II)* | 3 |  |  |
|  | Total | 16 | Total | 16 |
| Year 2 | MATH 3300 – Calculus III | 4 | MATH 3400 – Diff Eqs. | 3 |
|  | PHYS 2052 – Physics 2 | 5 | PHYS 2053 – Modern Physics | 3 |

GEOG 2710 - Intro Stats in Geog 3 GEOG 3020 – Climatology 4

GEOG 3010 – Meteorology 4 GEOG 3030 – Observ Meteorol 1

*Elective (Tier II)* 3

Total 16 Total 14

Year 3

PHYS 3001 – Classical Mechan. 4 PHYS 3011 – Thermodynamics 3 GEOG 3040 – Practicum Forecast1 GEOG 4060 –Synoptic Meteorol 4

|  |  |  |  |
| --- | --- | --- | --- |
| GEOG 4080 - Dyn Meteorol 1 | 3 | GEOG 4090 - Dyn Meteorol 2 | 3 |
| *Junior English Composition* | 3 | MATH 4100 – PDEs & Fourier | 3 |
| *Elective (Tier II)* | 3 | *Elective (A&S Distribution)* | 3 |
| Total | 15 | Total | 16 |

|  |  |  |  |
| --- | --- | --- | --- |
| Year 4 | *Elective (A&S Distribution)* | 3 | GEOG 4070 – Mesoscale Meteorol 3 |
| *Elective* | 3 | GEOG 3050 – Physical Meteorol | 3 |
| *Elective* | 3 | PHYS 2701 – Electronics Lab | 2 |
| *Foreign Language* | 4 | *Foreign Language* | 4 |
| *Elective* | 2 | *Elective* | 3 |
| Total | 15 | Total | 15 |