

Proposed ATM B.S. four-year plan (v1.1)

	Fall	Spring
Year 1	(UFSP 100) <i>Fresh. Seminar</i>	<i>ATM 210(3)+Lab(1) Atmos. <u>Struc.</u> ...</i>
	MAT 112 <i>Calc. I</i>	MAT 113 <i>Calc. II</i>
	PHY 140+145 <i>Phys. I</i>	PHY 150 <i>Phys. II</i>
	<i>INF 108 Programming for Problem Solving</i> [or WCI]	WCI [<i>or INF 108</i>]
Year 2	<i>ATM 211 (3) + Lab (1) Weather Analysis & Forecasting</i>	<i>(ATM 311(4)) Sev. & Haz. Weather</i>
	<i>CHM 115 (4) Chem. I (w/ lab)</i>	ATM 315 (4) <i>Envi. Stats. & Comp.</i>
	MAT 214 <i>Multi. Var. Calc.</i>	MAT 311 <i>Ord. Diff. <u>Eqs.</u></i> (optional; req. for honors, rec. For NWS & grad.-school bound)
	ATM 209 <i>Weather Workshop</i>	<i>ATM 320 <u>Thermo.</u></i>
Year 3	ATM 316 <i>Dyn. I</i>	ATM 317 <i>Dyn. II</i>
	<i>ATM 321 (4) Phys. Met.</i>	ATM 350 (2) <i>Met. Analysis & Vis.</i>
Year 4	(ATM 400) <i>Synop.</i>	<i>ATM "capstone"</i>
	<i>ATM 419 NWP</i>	

Addresses:

1. Programing early in curriculum (~~partial~~)
2. Freshman spring gap
3. Sophomore-to-junior transition
4. Timing of NWP

Concerns:

1. ~~ATM 320 needs MAT 214~~
2. Only a partial solution for programing
3. Some students won't be well prepared for ATM 210
4. Empty senior spring

Courses that have changed time:

ATM 210 → Spring ... Begins Spring '24

ATM 211 → Fall ... Begins Fall '24

ATM 311 → Spring ... Begins Spring '25 (combine soph/jr)

ATM 320 → Spring ... Begins Spring '24 (This may be difficult to schedule, could wait until Spring '25).

Option 1: Spring '24

Option 2: After Fall '23, not taught again until Spring '25

ATM 321 → Fall ... Begins Fall '24 (combine sr/jr depending on when ATM 320 moves)

ATM 419 → Fall ... Begins Fall '24

Capstone: Begins Spring '25?

Current Juniors (class of 2024)

Fall 23 (sr)

Spring 24 (sr)

ATM 419

Current Sophomores (class of 2025)

Fall 23 (jr)

ATM 311

ATM 316

ATM 320

Spring 24 (jr)

ATM 317

ATM 350

Fall 24 (sr)

ATM 321 (opt 1 w/jr)

ATM 419

Spring 25 (sr)

Capstone (not required yet for this class)

Current Freshmen (class of 2026)

Fall 23 (soph)

ATM 209

ATM 210

Spring 24 (soph)

ATM 211

ATM 315

ATM 320 (opt 1)

Fall 24 (jr)

ATM 321 (opt 1 w/sr)

ATM 316

ATM 320 (opt 2) *

Spring 25 (jr)

ATM 311 (w/ soph)

ATM 317

ATM 350

Fall 25 (sr)

ATM 321 (opt 2 w/jr)

ATM 419

Spring 26 (sr)

Capstone (still not technically requirement)

*With option 2, could also consider having ATM 320 spring '25, taken with the sophomores instead (only suggested if teaching schedule necessitates this).

Current H.S. seniors (class of 2027)

Fall 23 (fr)

Spring 24 (fr)

ATM 210 (+lab)

Fall 24 (soph)

ATM 211

Spring 25 (soph)

ATM 311 (w/ jr)

ATM 315

ATM 320*

Fall 25 (jr)

ATM 321 (opt 2 w/sr)

ATM 316

Spring 26 (jr)

ATM 317

ATM 350

Fall 26 (sr)

ATM 419

Spring 27 (sr)

Capstone (still not technically req.?)

*From previous slide, could be taken with juniors, to benefit teaching schedule

Course schedules

ATM 210

Fall 2023

Spring 2024 (+lab?)

Spring 2025 (+lab)

...

ATM 211

Spring 2023

Fall 2024 (+lab)

Fall 2025 (+lab)

...

ATM 311

Fall 2023

Spring 2024

Spring 2025

...

ATM 419

Spring 2024

Fall 2024

Fall 2025

...

Course schedules

Option 1

ATM 320

Fall 2023 (taught to juniors)

Spring 2024 (taught to sophomores)

Spring 2025

...

...

ATM 321

Fall 2024 (taught to seniors and juniors)

Fall 2025 (taught to juniors)

Fall 2026 (taught to juniors)

...

Option 2

ATM 320

Fall 2023 (taught to juniors)

Fall 2024 (taught to juniors)

or...Spring 2025 (taught to jr and soph)

Spring 2026 (taught to soph)

...

ATM 321

Fall 2024 (taught to seniors)

Fall 2025 (taught to juniors and seniors)

Fall 2026 (taught to juniors)

...