

Concurrent Degree in Astrophysics and Engineering Checklist

Year 1: Admission Requirements (Minimum Grade)

NMM 1412A: Calculus I (60%)	<input type="checkbox"/>	NMM 1414B: Calculus II (60%)	<input type="checkbox"/>
Physics 1401A/B: Physics I (60%)	<input type="checkbox"/>	Physics 1402A/B: Physics II (60%)	<input type="checkbox"/>
NMM 1411A/B: Lin. Algebra (55%)	<input type="checkbox"/>	Chemistry 1302A/B: Chem I (50%)	<input type="checkbox"/>

NMM Math Courses – The Following 1.0 Credits Count to Both Degrees

NMM 2270A: App. Math. for Engineering II * [Fall – MWF – 8:30AM -9:30 AM]	<input type="checkbox"/>
NMM 2276B or 2277B: App. Math. for Eng. III [Winter – MWF – 8:30AM – 9:30AM]	<input type="checkbox"/>

Remaining Module: 5.0 Physics Credits

Each of the following courses (3.0 total credits)

Physics 2101A: Intermediate Physics [Fall – MWF 10:30AM -11:30 AM]	<input type="checkbox"/>
Physics 2104B: Intro to Quantum Mechanics [Winter – MWF 10:30AM -11:30 AM]	<input type="checkbox"/>
Physics 2110A: Oscillations and Waves [Fall – MWF 9:30AM -10:30 AM]	<input type="checkbox"/>
Physics 2910G: Intro to Physical Measurement [Winter – MTW 9:30AM -10:30 AM]	<input type="checkbox"/>
Astronomy 3302A: Astrophysics of Interstellar Space [Fall - Tu 9:30AM -10:30AM, Th 9:30AM -11:30AM]	<input type="checkbox"/>
Astronomy 3303A: Galaxies [Fall – Tu 9:30AM -10:30AM, Th 9:30AM -11:30AM]	<input type="checkbox"/>

Two of the following three courses (1.0 total credits)

Physics 3900G: Senior Physics Laboratory [Winter – MW – 2:30 PM -5:30 PM]	<input type="checkbox"/>
Physics 3926F: Computer Simulations in Physics [Fall – W – 2:30 PM – 4:30PM]	<input type="checkbox"/>
App. Math 2814G: Numerical Analysis [Winter – Tu 9:30AM-10:30AM, Th 9:30-11:30AM]	<input type="checkbox"/>

One of the following two courses (0.5 total credits)

Astronomy 2201B: Planetary Systems [Winter - Tu 1:30 -3:30PM, Th 2:30 PM-3:30PM]	<input type="checkbox"/>
Astronomy 2801A: Observing the Stars [Fall - Tu 1:30 -3:30PM, Th 2:30 PM-3:30PM]	<input type="checkbox"/>

One 0.5 credit from any Physics or Astronomy course not yet taken numbered 2100 or above, including any of the above listed courses not already counted towards the major (0.5 total credits)

Additional Course 1: _____ ☐

****Note:** must also complete two non-credit seminar courses [Meetings Thurs 3:30pm-4:30pm]

Physics 2950Y: Year Two Seminar ☐ **Physics 3950Y:** Year Three Seminar ☐