ASTRONOMY BS – LASS TRACK
Fall 2009 – Spring 2010

CONTACT INFORMATION

- Honors College Advisor: Kathleen Alligood (alligood@gmu.edu)
- Department Chair: Robert Ehrlich (rehrlich@gmu.edu)
- Department Undergraduate Coordinator: Joe Weingartner (jweinga1@gmu.edu)

Once students begin attending Mason and declare a major they should see both their Honors College and their major department advisor for advising.

REQUIRED HOURS

- Hours Required in Major: 59
- Hours Required in Honors: see honors advisor
- This major requires a total of 120 credits to graduate, 45 of which must be at the 300-level and above.

ADVISING SHEET

- ○ Honors College Requirement
- ♦ Department Requirement
- ⅄ College Requirement

1st Year – 1st Semester (Fall)	Credits
○ HNRS 110: Introduction to Research (Grade C or better required)	4
♦ MATH 113: Analytic Geometry and Calculus I (a placement exam is required)	4
♦ ASTR 103: Astronomy	3
♦ PHYS 122/123: Relativity/Inside the Quantum World	2
Semester Total	13[1]
1st Year – 2nd Semester (Spring)	
○ HNRS 122: Reading the Arts	3
○ HNRS 130: Conceptions of Self	3
♦ MATH 114 (prerequisite: grade of C or better in MATH 113) or MATH 116: Analytic Geometry and Calculus II	4
♦ PHYS 160/161: University Physics I and University Physics Laboratory I or PHYS 160H: Honors University Physics I and University Physics Laboratory I (Corequisite MATH 114 or 116)	4
Semester Total	14
2nd Year – 1st Semester (Fall)	
○ HNRS 131: Contemporary Society in Multiple Perspectives	3
♦ MATH 213 or MATH 215: Analytic Geometry and Calculus III	3
♦ PHYS 260/261 or 260H: University Physics II and University Physics Laboratory II or Honors University Physics II and University Physics Laboratory II (Corequisite: MATH 213 or 215)	4
♦ ASTR 302: Foundations of Cosmology	3
♦ Elective	3
Semester Total	16

2nd Year – 2nd Semester (Spring)	
○ HNRS 230: Cross-Cultural Perspectives	3
♦ MATH 214: Elementary Differential Equations	3
♦ PHYS 262/263: University Physics III	3
♦ ASTR 301: Astrobiology	3
♦ Elective	3
Semester Total	15
3rd Year – 1st Semester (Fall)	
○ HNRS 240: Reading the Past	3
♦ MATH 313: Introduction to Applied Mathematics	3
♦ PHYS 305: Electromagnetic Theory	3
♦ ASTR 328: Introduction to Astrophysics	3
♦ Elective	3
Semester Total	15
3rd Year – 2nd Semester (Spring)	
○ HNRS 353: Technology in the Contemporary World (grade of C or better required)	3
♦ PHYS 307: Thermal Physics	3
♦ PHYS 308: Modern Physics with Applications	3
♦ Electives	6
Semester Total	15
4th Year – 1st Semester (Fall)	
♦ ASTR 401: Computer Simulation in Astronomy	3
♦ ASTR 403: Planetary Sciences	3
♦ ASTR 408: Senior Research	3
♦ ASTR 490: Astronomy Capstone	3
♦ Elective 300 level or above	3
Semester Total	15
4th Year – 2nd Semester (Spring)	
♦ ASTR 404: Galactic Astronomy	3
♦ ASTR 408: Senior Research	3
♦ ASTR 428: Relativity and Cosmology	3
♦ Elective or see Department	6
Semester Total	15
Total Hours	118

NOTES

1. At least 2 credit hours of additional course work is necessary (at some point in the eight semesters) to bring the total number of hours up to 120.