# ASTRONOMY & ASTROPHYSICS Minor Plan Requirements

**Campus:** UMICH  
**Career:** UARC  
**Program:**  
**Plan:** ASTBSAUP  

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<th>RG 4081</th>
<th>ASTRONOMY AND ASTROPHYSICS MINOR PREREQUISITES</th>
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| **RQ 3649** | Introductory Physics Sequence  
*Effective FA02/1410 (09/03/2002)* |
| LN 0010 - PHYSICS 140/141 and 240/241  
LN 0020 - PHYSICS 160/141 and 260/241  
LN 0030 - PHYSICS 140/141 and 260/241  
LN 0040 - PHYSICS 160/141 and 240/241 |

| RQ 3650 | Additional Prerequisite Courses for Astronomy and Astrophysics Minor  
*Effective FA02/1410 (09/03/2002)* |
| LN 0010 - MATH 216 or equivalent  
LN 0020 - PHYSICS 340, 341 and 390 |

| RG 4082 | ASTRONOMY AND ASTROPHYSICS MINOR CORE  
*Effective FA02/1410 (09/03/2002)* |
| **RQ 3651** | Required Courses for Astronomy and Astrophysics Minor  
*Effective FA02/1410 (09/03/2002)* |
| LN 0010 - Introduction to Astronomy and Astrophysics: ASTRO 102, 112 or 160  
LN 0020 - Introduction to the Solar System: ASTRO 101 or 111  
LN 0030 - Minimum two Core Courses: ASTRO 361, 402, 404  
LN 0040 - Electives: ASTRO 399, 401, 403, 405, 406 or 429 or any graduate level ASTRO course |

| RQ 3652 | Total Hours and GPA Requirement for Astronomy and Astrophysics Minor  
*Effective FA02/1410 (09/03/2002)* |
| LN 0010 - Minimum 10 hours taken in residence  
LN 0020 - Minimum 15 hours in the minor  
LN 0030 - Minimum 2.0 GPA in the minor *(precondition not in 000021)* |

| RQ 3383 | A minimum GPA of 2.0 is required for a LSA Minor. GPA will need to be calculated manually. See your Minor Concentration Advisor *(precondition in 000021)*  
*Effective FA02/1410 (09/03/2002)* |
| LN 0010 - Manual calculation of GPA required |

| RQ 3653 | Courses that could share between the Astronomy and Astrophysics Minor and Concentration Plans  
*Effective FA02/1410 (09/03/2002)* |
| LN 0010 - Course listing *(make no exceptions here)* |