## DEPARTMENT OF PHYSICS AND ASTRONOMY – ADVISING FORM

**Name:** ____________________ **CID:** ________________  **Email:** ____________________

**Major:** ____________________  **Minor:** ____________________  **Semester:** ____________

Mark through courses passed. Circle courses now taking. Unless otherwise indicated all courses are 3 hrs credit.

### PHYSICS (36 Hours)
- PH108 (Elective)
- PH131(4) or 241(4)
- PH132(4) or 242(4)
- PH250(4) (Statics, Fall)
- PH321(4) (Dynamics, Spring)
- PH333(4) (Modern, Fall)
- PH347 (Math Apps, Fall)
- PH440 (E&M, Spring)
- PH470(2) (Seminar)
- Plus 5 hrs from (1 hr must be adv):
  - PHY 110(4) (Electronics)
  - PHY 262(4) (Circuits and Devices)
  - PHY 343 (Digital Systems)
  - PHY 430 (Thermo, Even Springs)
  - PHY 431 (Quantum, Fall)
  - PHY 441(4) (Optics, Odd Springs)
  - AST 105(4) (Modern Astronomy)
  - AST 105(4) (Modern Astronomy)
  - AST 335 (Astrophysics, Odd Springs)
  - PHY 475/476 (Special Problems)

- Plus 3 hrs from:
  - PHY 430 (Thermo, Even Springs)
  - PHY 431 (Quantum, Fall)
  - PHY 441(4) (Optics, Odd Springs)

### COMMUNICATION (6 hours toward core)
- 3 hrs from: ENG 131, 133H
- 3 hrs from: COM 111, 170, 215

### MATHEMATICS (3 hours toward core)
- Prerequisites: MTH 133 (Trig), 138 (Alg), 139 (Analyt), 140(4) (Pre-Cal)
- 8 hrs from: MTH 233(4) (Cal I), 234(4) (Cal II)

### LIFE AND PHYSICAL SCIENCES (6 hours toward core)
- 8 hrs from: CHE 133(4), 134(4)

### LANGUAGE, PHILOSOPHY, AND CULTURE (3 hours toward core)
- 3 hrs from: ENG 200-233H, HIS 151, 152; PHI 153, 223

### CREATIVE ARTS (3 hours toward core)
- 3 hrs from: ART 280, 281, 282; DAN 140; MHL 245; MUS 140; THR 161, 163

### AMERICAN HISTORY (6 hours toward core)
- 6 hrs from: HIS 133, 134

### GOVERNMENT/POLITICAL SCIENCE (6 hours toward core)
- 6 hrs from: PSC 141, 142

### SOCIAL AND BEHAVIORAL SCIENCES (3 hours toward core)
- 3 hrs from: ANT 231; ECO 231, 232; GEO 131; PSY 133; SOC 137

### COMPONENT AREA OPTION (6 hours toward core)
- 3 hrs from: ENG 132
- 3 hrs from: BCM 247; ENG 273; FRE 131, 132; GER 131, 132; POR 131, 132; SPA 131, 132; SPH 172, 172

### COLLEGE/DEPARTMENT REQUIREMENT
- 3 hrs from: CSC 102

### ASTRONOMY MINOR
- AST 105(4) (Modern Astronomy)
- AST 305 (Observational, Even Springs)
- AST 335 (Astrophysics, Odd Springs)

### MATH MINOR (Recommended Courses)
- MTH 317 (Linear)
- MTH 333(4) (Cal III)
- MTH 337 (Diff Eq)

### RECOMMENDED ELECTIVES
- PHY101(4)
- PHY 102(4)
- SFA 101(1)
- CSC 101
- MUP
- KIN
- AGM 325, 326 (Computer Aided Drafting 1 & 2)
- MTH 098, 099 (If recommended)

### DEPARTMENT OF PHYSICS AND ASTRONOMY

<table>
<thead>
<tr>
<th>Subject</th>
<th>No.</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EGR 111</td>
<td>Fall or EGR 112</td>
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<td>EGR 215(4)</td>
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<td>EGR 321(4)</td>
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<td>EGR 343</td>
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### ENGINEERING PHYSICS
Pre-engineering plus the following:
- PHY 333 (4) (Modern, Fall)
- PHY 347 (Math Apps, Fall)
- PHY 440 (E&M, Spring)
- EGR 470 (2) (Seminar)
- EGR 490 (2) (Capstone Design)

### Mechanical Option
- AGM 325 or HRT 325 (CAD)
- EGR 305 (Mechanics of Materials)
- EGR 345 (Fluid Mechanics)
- PHY 431 (QM) or 441 (Optics)

### Electrical Option
- EGR 314 (Control Systems)
- EGR 344 (Microcomp Interfacing)
- EGR 370 (Elect Prop of Materials)
- PHY 430 (Thermo)

### Core Requirements
- 26 hrs toward core (1-2 hrs if adv)
- 23 hrs toward core (1-2 hrs if adv)

### Total
- 36 hrs (Electives, semesters, etc.)

### RECOMMENDED ELECTIVES
- PHY101(4)
- PHY 102(4)
- SFA 101(1)
- CSC 101
- MUP
- KIN
- AGM 325, 326 (Computer Aided Drafting 1 & 2)
- MTH 098, 099 (If recommended)

**Advisor’s Signature** ____________________ **Date** ____________________

Department of Physics and Astronomy, Stephen F. Austin State University

Harry Downing (hdowning@sfasu.edu) and Dan Bruton (astro@sfasu.edu)

- Getting newsletter via email? □
- Hold Cleared? □
- Picture on File? □

SAT (M) _____(R) _____ ACT (M) _____(S) _____(E/R) _____

Expected Graduation or Transfer Date ____________________

Does student have a job? _____ If so, how many hrs/wk? _____

Fraternity or Sorority to which student belongs ____________________

Intercollegiate athletic team to which student belongs ____________________
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