**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) PRE-ENGINEERING**

 PHY108 (Elective)  PHY 108 (Elective)

 PHY 131(4) or 241(4)  EGR 111 (Fall)

 PHY 132(4) or 242(4)  EGR 112 (Spring)

 PHY 250(4) (Statics, Fall)  PHY 241(4) (Tech Phys I)

 PHY 321(4) (Dynamics, Spring)  PHY 242(4) (Tech Phys II)

 PHY 333(4) (Modern, Fall)  EGR 215(4) (Electrical)

 PHY 347 (Math Apps, Fall)  EGR 250(4) (Statics, Fall)

 PHY 440 (E&M, Spring)  EGR 321(4) (Dynamics, Spring)

 PHY 470(2) (Seminar)  EGR 343 (Digital)

 Plus 5 hrs from (1 hr must be adv): For

PHY 110(4) (Electronics) **ENGINEERING PHYSICS**

PHY 262(4) (Circuits and Devices) Pre-engineering plus the following:

PHY 343 (Digital Systems)  PHY 333 (4) (Modern, Fall)

PHY 430 (Thermo, Even Springs)  PHY 347 (Math Apps, Fall)

PHY 431 (Quantum, Fall)  PHY 440 (E&M, Spring)

PHY 441(4) (Optics, Odd Springs)  EGR 470 (2) (Seminar)

AST 105(4) (Modern Astronomy)  EGR 490 (2) (Capstone Design)

AST 305 (Observational, Even Springs) **Mechanical Option**

AST 335 (Astrophysics, Odd Springs)  AGM 325 or HRT 325 (CAD)

PHY 475/476 (Special Problems) EGR 305 (Mechanics of Materials)



 EGR 345 (Fluid Mechanics)

 Plus 3 hrs from:  PHY 430 (Thermo)

**Electrical Option**

PHY 430 (Thermo, Even Springs)  EGR 314 (Control Systems)

PHY 431 (Quantum, Fall)  EGR 344 (Microcomp Interfacing)

PHY 441(4) (Optics, Odd Springs)  EGR 370 (Elect Prop of Materials)

 PHY 431 (QM) or 441 (Optics)

**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)

**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, 272

**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)

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| **Subject** | **No.** | **Hours** | **Notes** |
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**Total**

**ENGINEERING MINOR**

 EGR 111 (Fall) or EGR 112 (Spring)

 EGR 215(4) (Electrical)

EGR 250(4) (Statics, Fall)



 EGR 321(4) (Dynamics, Spring)

 EGR 343 (Digital)

**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

(936)468-3001, <http://www.physics.sfasu.edu/>

Harry Downing ([hdowning@sfasu.edu](mailto:hdowning@sfasu.edu)) and Dan Bruton ([astro@sfasu.edu](mailto: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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