

Name: \_\_\_\_\_ Student ID: \_\_\_\_\_ Phone: \_\_\_\_\_

New to OSU: \_\_\_\_\_ email: \_\_\_\_\_@osu.edu

YEAR	AUTUMN	WINTER	SPRING
1	Math 151.0X (Calc & Anal Geom).....5____ Chem 121 (Gen Chem).....5____ Engr 100.10 (Engr Survey).....1____ Engr 181.01 (Intro to Engr I).....3____	Math 152.0X (Calc & Anal Geom).....5____ Physics 131 (Partcls & Motion).....5____ Engr 183.0X (Intro to Engr II).....3____ GEC.....5____	Math 153.0X (Calc & Anal Geom).....5____ Physics 132 (Electrcty & Magntsm).....5____ CSE 294 (or 202 or EG 167)...4____ English 110.0X(1 <sup>st</sup> Yr English Comp)...5____
2	Math 254.0X (Calc & Anal Geom).....5____ ME 410 (Statics).....4____ Econ 200 (Princ of Microecon).....5____ Additional Science <sup>1</sup> .....4____	Math 255.0X or 415.0X (Dff Equat)...5____ Stats 427 (Intro Prob & Stats Engrs I).....3____ ME 420 (Strength of Matls).....4____ Psych 100 (Gen Psych).....5____	ISE 350 (Manufctg Engineering).....3____ Math 571 or 568 (Linear Alg).....3____ ISE 504 (Engr Econ Analysis).....3____ Stats 428 (Intro Prob Stats Engrs II).....3____ GEC.....5____
3	ISE 500 (Intro to ISE).....3____ ME 430 (Dynamics).....4____ 2 <sup>nd</sup> Writing GEC.....5____ Acctg 501 (Acctg & Cost Analysis).....3____	ISE 501 (Operations Research I).....5____ ISE 520 (Operations Research II).....3____ ISE 560 (Physl Biomech Wrk Dsgn).....3____ MSE 205 (Intro to MSE).....3____ GEC.....5____	ISE 521 (Operations Research III).....3____ ISE 540 (Production Systems I).....4____ ISE 550 (App Math Modlg Matls Proc).....3____ ISE 670 (Cognitive Engr).....3____
4	ISE 510 (Statistcl Process Control).....3____ ISE 541 (Production Systems II).....4____ ISE 542 (Production Systems III).....4____ ISE 681 (Engr Project Mngmt).....3____	ISE 680.01 (Indst Pract Sys Dsgn I).....4____ ISE 610 (Plang Engr Experiments).....3____ Technical Elective Technical Elective Technical Elective	ISE 680.02 (Indst Pract Sys Dsgn II).....4____ ECE 300 & 309 (Electric Circuits).....4____ Technical Elective Technical Elective

GENERAL EDUCATION (35 hrs)

English & Communication Skills (10)

English 110.0X (5)\_\_\_\_  
2<sup>nd</sup> Writing Course (5)\_\_\_\_

Students must take 25 hours across Social Sciences, Historical Study, and Arts & Humanities with a minimum of 5 hours and maximum of 10 hours per category.

Historical Study (5-10)

\_\_\_\_ ( )\_\_\_\_  
\_\_\_\_ ( )\_\_\_\_

Arts & Humanities (5-10)

\_\_\_\_ ( )\_\_\_\_  
\_\_\_\_ ( )\_\_\_\_

Social Sciences (10)

Econ 200 ( 5 )\_\_\_\_  
Psych 100 ( 5 )\_\_\_\_

Ethics (5)

(May overlap with another GEC Category)  
\_\_\_\_ ( )\_\_\_\_

Social Diversity

(May overlap with another GEC Category)  
\_\_\_\_ ( )\_\_\_\_

TECHNICAL ELECTIVES (15 hrs)

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ADMISSION CONDITION

\_\_\_\_ ( )\_\_\_\_  
\_\_\_\_ ( )\_\_\_\_  
\_\_\_\_ ( )\_\_\_\_

Sub-total Core .....143  
General Education .....35  
Technical Electives .....15

TOTAL HOURS .....193

1. Choose one (1) of the following:  
Chemistry 122; Chemistry 125;  
or Physics 133

**SUBSTITUTIONS:** If a student is transferring to ISE from another program, the following are approved substitutions:

- ENG H191 & H193 = ENG 181.01 & 183.0X
- CSE 294 = EnGRAPH 167 OR ENG H192 OR CSE 202
- MATH 255.xx = MATH 415.xx
- MATH 571 = MATH 568

Acceptance into the Industrial & Systems Engineering major is limited to 90 students per year and will depend on the cumulative point-hour ratio (CPHR) and the secondary point-hour ratio (SPHR) upon completion of the following pre-major courses: *English 110.0X, Engineering 181.01, 183.0X; CSE 294 or approved substitute, Math 151.0X, 152.0X, 153.0X; and Physics 131, 132.* A minimum SPHR of 2.0 is required. Formal application is required. Applications must be submitted January 10 or April 10 preceding the quarter the student plans to take ISE 500. See the departmental office (BE 210) for application.