

THE OHIO STATE UNIVERSITY – COLLEGE OF ENGINEERING

GENERAL EDUCATION

2016-2017

The following course list is approved for students admitted to The Ohio State University (any program) in Summer 2016, Autumn 2016, or Spring 2017. Students admitted to Ohio State earlier than Summer 2016 or later than Spring 2017 should contact their academic advisor to receive a copy of their general education requirements.

GENERAL EDUCATION

Ohio State's General Education (Gen Ed) is an integral part of your academic experience in the College of Engineering. This curriculum is designed to provide you with a better understanding of society's traditions and past, accomplishments and aspirations, relation and responsibility to the natural world, diversity and plurality, and problems and needs. The goal is for you to develop skills, competencies, and a breadth of knowledge as an educated, productive citizen. Specific goals aimed toward the broader goal of the Gen Ed are listed under each category of the curriculum.

Gen Ed Course Planning

First Writing Course _____ 3 hr Second Writing Course _____ 3 hr Social Science¹ (Subgrp __) _____ 3 hr Social Science¹ (Subgrp __) _____ 3 hr Historical Study _____ 3 hr	Literature _____ 3 hr Visual/Performing Arts _____ 3 hr Cultures & Ideas OR 2nd Historical Study _____ 3 hr Professional Ethics _____ 0-3 hr Diversity _____ 0-3 hr
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¹Certain majors require specific course(s) in GE categories:
 ECON 2001.XX – Required for Aviation, Civil, Environmental Engineering (Social Science Subgroup C)

Course Selection

Some courses are listed in multiple GE categories in the course list below. With the exception of two categories (Professional Ethics and Diversity), each GE course can be used to fulfill only one (1) GE category. Professional Ethics and Diversity can be used to fulfill an additional GE category in which it is cross listed. See page 3 for more information regarding Professional Ethics and Diversity course options.

Honors and Honors Embedded Courses

Certain GE courses are offered as standard, honors, and/or honors embedded courses. These courses are indicated with a letter after the course: "H" for Honors or "E" for Honors-embedded. If the notation is in parentheses, such as Music 2251(H)(E), courses is offered at the standard level and at the honors / honors-embedded level. If the notation is not in parentheses, such as Physics 3201H, the course is only offered at the specified level.

WRITING AND RELATED SKILLS (6 hr) Select TWO courses, one per subgroup.

The goal of this category is to develop skills in writing, reading, critical thinking, and oral expression.

A. First Writing Course

English 1110.01(H), 1110.02(H), 1110.03

B. Second Writing Course

African-American & African Studies <u>2367.01</u> , <u>2367.04</u> Agricultural Communication <u>2367</u> Animal Science 2367 Arabic 2367 Art Education <u>2367.01(H)</u> , <u>2367.02</u> , <u>2367.03</u> Communication 2367(H) Comparative Studies <u>2367.02</u> , <u>2367.04</u> , <u>2367.07</u> , <u>2367.08(H)</u> Dance 2367(H) Economics 2367.01, 2367.02 Education: Teaching and Learning 2367 Engineering <u>2367</u> , <u>2367.01H</u>	English <u>2367.01(H)(E)</u> , <u>2367.02(H)</u> , 2367.03(H), 2367.04(H), <u>2367.05(H)</u> Environment & Natural Resources 2367 Film Studies 2367.01, 2367.02 German 2367 Hebrew 2367.01 Human Development & Family Science 2367 Jewish History 2367 Landscape Architecture 2367(E) Linguistics <u>2367.01(H)</u> , 2367.02 Modern Greek <u>2367</u> Nursing 2367 Pharmacology 2367	Philosophy <u>2367</u> Physics 2367 Political Science 2367(H) Psychology, 2367.01, 2367.02 Public Affairs 2367 Slavic Languages & Literatures <u>2367</u> Sociology 2367.01H, 2367.02, 2367.03H Spanish 2367 Theatre <u>2367.01(H)</u> , <u>2367.02</u> , <u>2367.03</u> Women's, Gender & Sexuality Studies <u>2367.01</u> , <u>2367.02</u> , <u>2367.03</u> , <u>2367.04</u> Yiddish 2367
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SOCIAL SCIENCES (6 hrs) Select TWO courses, no more than one per subgroup.

The goals of this category is to help you understand human behavior and cognition, and the structures of human societies, cultures, and institutions.

A. Individuals & Groups

African-American & African Studies 1101, 2218 Animal Science 2367 Anthropology <u>2201(H)</u> , <u>2202(H)</u> , 3420, <u>3597.01</u> , <u>3597.02</u> Communication 1100, 1101, 1102H, 2331, 3442 Consumer Sciences: Fashion & Retail Studies 2372 Economics 3048 (can be used to fulfill this GE AND Professional Ethics GE)	Education: Teaching and Learning 3160, <u>4005</u> Educational Studies: Cultural Foundation of Education 2241 Geography 2100 Human Development and Family Science 2200, 2350, 2400, 2410, 3440 International Studies <u>3850</u> Linguistics <u>1100</u> , <u>3501</u> , <u>3602(H)</u> , <u>3603</u> , 3701(H) Political Science 2150(H), 3596(H)	Psychology <u>1100(H)(E)</u> , <u>1200</u> , 2367.01, 3371(H) Public Health <u>2010</u> Rural Sociology <u>3580</u> Slavic 4800 Social Work 1130(H) Sociology 2210, 2370, 3380, <u>3597.01</u> , <u>5450</u> Spanish <u>2389</u> Speech & Hearing Science 3330(H), 3350 Women's, Gender Sexuality Studies <u>1110</u> , <u>1110H</u>
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B. Organizations & Politics

African-American & African Studies 4250
Anthropology 1100
Consumer Sciences 2910
City & Regional Planning 3500
Economics 2002.01, 2002.02, 2002.03H,
2367.01, 2367.02

Environment & Natural Resources 4000
Geography 2500, 3600(H), 3601, 3701, 5601
International Studies 2000, 2050, 2200, 2250(H),
2251, 2800(H)

Political Science 1100(H), 1165(H), 1200(H),
2300, 2367(H), 2400(H), 4120, 4123, 4150,
4212, 4250(H)
Rural Sociology 1500
Sociology 1101(H)(E), 2345, 2367.01H, 2367.02,
2367.03H

C. Human, Natural, & Economic Resources

Agricultural, Environmental & Development
Economics 2001(H), 2580
Anthropology 2100.01
Architecture 2220(E)
Business Administration: Management &
Human Resources 2500

Economics 1100.01, 1100.02, 2001.01, 2001.02,
2001.03H
Environment & Natural Resources 2300
Geography 2400(H), 2750(H), 3800, 3901H
History 2700

International Studies 2100(H), 2500(H), 2580,
3350
Political Science 1300(H), 3220
Public Affairs 2110
Sociology 2320, 3460, 3463(H)
Social Work 1120

Social Science – Open Subgroup

These courses are approved to fulfill both the Professional Ethics GE AND a Social Science GE in any subgroup (A B or C): Sociology 3302, 3464

HISTORICAL STUDY (3 hr) Select ONE course.

The goal of this category is to develop your knowledge of how past events influence today's society and help you understand how humans view themselves.

African-American & African Studies 1121,
1122, 2080, 2081, 2085, 3080, 3081, 3083,
3086, 3089, 3304, 3308, 3320
Classics 2221(E), 2301, 3000, 3215, 3401, 3408
Consumer Sciences: Fashion & Retail Studies
2374
Earth Science 1911
Economics 4130, 4140
Engineering 2361, 2362, 5797.13
History 1101, 1102, 1151, 1152, 1211, 1212,
1681, 1682, 2001(H), 2002(H), 2010, 2015,
2045, 2065, 2066, 2070, 2071, 2075, 2079,
2080, 2081, 2085, 2100, 2105, 2110, 2111,
2115, 2120, 2125, 2201, 2202, 2203,
2204(H), 2205, 2210, 2211, 2213, 2220,
2221(E), 2231, 2240, 2250, 2251, 2270, 2271,
2275, 2280, 2301, 2302, 2303, 2350, 2351,
2353, 2375, 2390, 2392, 2393, 2401, 2402,
2450, 2451, 2452, 2453, 2454, 2455, 2475,

2500, 2550, 2610(H), 2620, 2630, 2641,
2642, 2650, 2651, 2700, 2701, 2702, 2703,
2704, 2705, 2710, 2720, 2750(H)(E), 2752,
2797.02, 3001, 3002, 3003, 3005, 3006, 3010,
3011, 3012, 3013, 3014, 3015, 3016, 3017,
3020, 3021, 3030, 3032, 3040, 3045, 3070,
3071, 3075, 3080, 3082, 3083, 3085, 3090,
3100, 3101, 3105, 3106, 3210, 3211, 3213,
3214, 3215, 3216, 3218, 3219, 3220, 3221,
3222, 3223, 3225, 3226, 3227, 3229, 3230,
3235, 3236, 3240, 3245, 3246, 3247, 3249,
3250, 3251, 3252, 3253, 3254, 3260, 3261,
3262, 3263, 3264, 3265, 3266, 3267, 3269,
3270, 3276, 3277, 3281, 3282, 3283, 3301,
3302, 3304, 3306, 3307, 3308, 3310, 3351,
3352, 3353, 3356, 3357, 3360, 3365, 3375,
3376, 3401, 3402, 3403, 3404, 3405, 3410,
3411, 3425, 3426, 3435, 3436, 3450, 3455,
3460, 3465, 3470, 3500, 3501, 3505, 3525,

3540, 3550, 3551, 3552, 3560, 3561, 3570,
3580, 3590, 3600, 3612, 3620, 3630, 3640,
3641, 3642, 3650, 3670, 3675, 3680, 3700,
3701, 3702, 3705, 3711, 3712, 3715, 3798.02,
3798.03, 3798.04
History of Art 2001(H), 2002(H), 2003(H),
2005, 2301
International Studies 3350
Jewish History 2450, 2451, 2452, 2453, 2454,
2455, 2475, 3110, 3450, 3455, 3460, 3465,
3470, 3505
Kinesiology: Sport Industry & Sport
Management 2210, 2211
Near Eastern Languages & Cultures 3111
Philosophy 1101H, 1102H, 2660
Political Science 4123
Religious Studies 3680
Women's, Gender & Sexuality Studies 2750H,
4401

ARTS & HUMANITIES (6 hr) Select TWO courses, one per subgroup.

The goal of this category is to allow you to evaluate significant writing and works of art. Such studies develop capacities for aesthetic and historical response and judgment; interpretation and evaluation; critical listening, reading, seeing, thinking, and writing, and experiencing the arts and reflecting on that experience.

A. Literature

African-American & African Studies 2251,
2281, 2367.01, 2367.04, 4551
Arabic 2701, 2702(H), 2705
Chinese 2451, 4401, 4402, 4403, 4404
Classics 1101(H), 2220(H), 2221(E), 2500H,
3203, 3402
Comparative Studies 1100(H), 2101(H),
2103(H), 2104(H), 2105, 2301, 2864H,
3603(H), 3606, 3608
Education: Teaching and Learning 2368,
3356(E)
English 2201(H), 2202(H), 2220(H), 2260(H),
2261(H), 2262(H), 2275, 2280(H), 2281,
2290, 2291, 2367.02(H), 3361, 3372

French 1801
German 2250, 2251, 2252H, 2253, 2254, 3252
Hebrew 2700(H), 2702(H), 2703, 2704, 2708
History 2221(E), 3218
Italian 2051, 2052, 2054
Japanese 2451, 2452
Jewish History 2700(H), 2702(H), 2703, 2704,
2708, 3371,
Korean 2451
Modern Greek 3710
Medieval Renaissance 2888
Near Eastern Languages & Cultures 3702, 3704
Persian 2301, 2701, 2704

Philosophy 2120, 2465, 3210, 3220, 3230, 3240,
3250, 3261, 3262
Portuguese 2150, 2159
Religious Studies 2102.01(H), 2102.02
Russian 2250(H)
Scandinavian 3350, 4250, 5251
Slavic Languages & Literatures 2345
Spanish 2320, 2321, 2520
Theatre 2367.02
Turkish 2701
Women's, Gender & Sexuality Studies 2215,
2367.01, 2367.02, 2367.03, 2367.04,
2702(H),
Yiddish 3371, 3399

B. Visual/Performing Arts

African-American & African Studies 2101,
2288, 3376, 4571
Architecture 3192
Art 2100(E), 2300(E), 2502(E), 2555(H), 3201H
Art Education 1600, 2367.01(H), 2520
Chinese 4405
Comparative Studies 3607(H), 3686
Dance 2401
East Asian Languages & Literatures 3446
English 2263, 2269, 2463
Film Studies 2270.01, 2270.02, 2271
French 2801
German 2451, 3254H
Hebrew 2205, 2245, 2367.01

History of Art 2001(H), 2002(H), 2003(H),
2005, 2101, 2901, 3002, 3005, 3010H, 3102,
3211, 3521, 3601, 3603, 3605, 3605H, 3611,
3631, 3901, 4421, 4605, 4630, 4810, 4820
Italian 2053, 2055
Jewish History 2205, 2245
Landscape Architecture 2600(E)
Modern Greek 2680
Music 2250, 2251(H) (E), 2252, 2253, 2288,
3342, 3343, 3344, 3345, 3347, 3348, 3349,
3350
Philosophy 2450(H), 2470H
Physics 3201H
Portuguese 2335

Russian 3460
Scandinavian 4450
Slavic Languages & Literatures 3310, 3360
Spanish 2322, 2330, 2380
Theatre 2100(H)(E), 2101H, 2341H, 2811
Women's, Gender & Sexuality Studies 2230,
3310, 3317

BREADTH: 2nd Historical Study or Cultures & Ideas (3 hr) Select ONE course from Historical Study or Cultures & Ideas.**A. 2nd Historical Study**

See courses listed in Historical Study category on Page 2.

B. Cultures & Ideas

African-American & African Studies 2285, 3342H, 4342, 5485.01
 Anthropology 1100, 2241, 3434
 Arabic 2241(H), 2367, 3301
 Architecture 2300(E), 3195
 Art Education 2550
 Arts and Sciences 2400(E), 4870
 Bioethics 2000, 2100, **2010 (can be used to fulfill this GE AND Professional Ethics GE)**
 Chinese 2231, 2232
 Classics 2201(H), 2202(H), 2204, 2205, 2301, 2526, 2798.02, 3000, 3404, 3408
 Community Leadership 3535
 Comparative Studies 2220, 2264, 2281, 2321, 2322, 2323, 2340, **2341 (can be used to fulfill this GE AND Professional Ethics GE)** 2350(H), 2360, 2367.04, 2367.07, 2367.08(H), 3302(E), 3501, 3620, 3645(H), 3646, 3657, 3689, 4822
 Dance 3401, 3402
 East Asian Languages & Literatures 1231, 2284
 Educational Studies: Educational Psychology & Philosophy 3410
 English 1167H, 2264, 2270(H), 2276, 2277, 2282, 3271, 3364, 3378
 Engineering 5797.18
 Environment & Natural Resources 3470
 French 1803, 3801
 German 2255, 2350, 2352, 3253, 3256, 3351, 3353, 3451H
 Health & Rehabilitation Services 2530
 Hebrew 2209, 2210(H), 2216, 2241(H), 3120
 History 2079, 2210, 2450, 3213
 History of Art 2301, 4701
 Honors 2396H (AU London Trip)
 Japanese 2231, 2255
 Jewish History 2201, 2209, 2241, 2242(H), 2367, 2450, 2516, 3111, 3210, 3210(H)
 Korean 2231
 Landscape Architecture 2300(E), 2367(E)
 Linguistics 2000(H), 3601, 3901
 Medieval & Renaissance Studies 2211, 2212, 2215, 2217, 2510, 2513, 2514, 2516, 2520, 2526, 2610, 2618, 2666
 Modern Greek 2000, 2100, 2240(H), 2410(H)
 Near Eastern Languages & Cultures 2220, 2241, 2244, 3101, 3201, 3204, 3205, 3501, 3508, 3620, 3625.01, 3625.02, 3700
 Persian 2241
 Philosophy 1100(H), 1300(H) (does NOT fulfill Ethics category), **1332**, **1337**, **1338 (bolded courses can be used to fulfill this GE AND Professional Ethics GE)**, 1338, 1850, 2400, 2860, 3111, 3120, 3420
 Portuguese 2330, 2331
 Religious Studies 2210(H), 2370(H), 2670, 3672
 Russian 2335, 2335.99, 2345, 3530
 Slavic Languages and Literatures 2230
 Spanish 2150, 2151, 2242, 2331, 2332
 Turkish 2241
 Women's, Gender & Sexuality Studies 1110, 1110H, 2282
 Yiddish 2241, 2367

PROFESSIONAL ETHICS (0-3 hr) Select ONE course. This category permits overlap with another GE course where noted below.

The goal of courses in this category is to develop a nuanced understanding of the applied ethical issues involved within a professional career in engineering and technology.

A. Ethics + Social Science Courses

Economics 3048 (also fulfills Social Science category in the Individuals & Groups subgroup)
 Sociology 3302, 3464 (also fulfills Social Science category in any subgroup)

Ethics + Cultures & Ideas Courses

Bioethics 2010 (also fulfills Cultures & Ideas category)
 Comparative Studies 2341 (also fulfills Cultures & Ideas category)
 Philosophy 1332, 1337 (also fulfills Cultures & Ideas category)
 Philosophy 1338 (also fulfills Cultures & Ideas category, recommended for students interested in Computer Science and Engineering)

B. Ethics (no double-counting allowed)

Naval Science 4210, (must be taken SU12 or later; requires enrollment in Naval ROTC program)

Students who do not appropriately plan their coursework to fulfill one of their Gen Ed categories with an Ethics course will be required to take an additional course to fulfill their Ethics category.

DIVERSITY (0-3 hr) Select ONE course. This category permits overlap with another GE course.

The goal of courses in this category is to foster an understanding of the pluralistic nature of institutions, society, and culture. Students can choose a diversity focus of either Social Diversity in the U.S. or Global Diversity.

Courses: Social Diversity in the US courses are underlined as “ ”. Global Diversity courses are underlined as “ ”. All underlined courses in other categories will fulfill both that designated category and the Diversity category. Students who do not appropriately plan their coursework to fulfill one of their Gen Ed categories with a Diversity course will be required to take an additional course to fulfill their Diversity category.

APPROVED GENERAL EDUCATION SUBSTITUTIONS**Foreign Language**

Students pursuing a degree in the College of Engineering are not required to complete a foreign language category in their General Education. However, students who are interested in pursuing coursework in a foreign language are permitted to choose one of the following approved substitutions, within the stated parameters:

Substitution A: Credit (including EM) for a foreign language sequence through 1103, or credit for a foreign language course with a prerequisite of 1103, can be substituted for one Gen Ed course requirement as a Cultures & Ideas.

Substitution B: Completion of a foreign language minor can be substituted for two Gen Ed courses: one course as a Social Science, (Individuals & Groups or Organizations & Politics subgroups only) and one course as either a Literature or a Cultures & Ideas.

Parameters: Students must choose either Substitution A (1 course) OR Substitution B (2 courses). Both substitutions cannot be applied simultaneously.

Contemporary World

Students pursuing a degree in the College of Engineering are not required to complete a Contemporary World requirement in their General Education. However, students who are interested in completing a University-level Contemporary World course are permitted to the following approved substitution:

Substitution A: Approved to fulfill Social Science, any subgroup:
 Anthropology 4597.01, 4597.02, 4597.03H, 4597.04
 Evolution, Ecology, and Organismal Biology 4597.02
 Geography 4597.01, 4597.02
 International Studies 4597.01, 4597.02
 Political Science 4597.01, 4597.02 Sociology 4597.01, 4597.02

Substitution B: Approved to fulfill Visual & Performing Arts subgroup:
 Comparative Studies 4597.01, 4597.02
 History 459