

THE OHIO STATE UNIVERSITY – COLLEGE OF ENGINEERING

GENERAL EDUCATION

2019-2020

The following course list is approved for students admitted to The Ohio State University (any program) in Summer 2019, Autumn 2019, or Spring 2020. Students admitted to Ohio State earlier than Summer 2019 or later than Spring 2020 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	Literature	_____ 3 hr
Second Writing Course	_____ 3 hr	Visual/Performing Arts	_____ 3 hr
Social Science¹ (Subgrp __)	_____ 3 hr	Cultures & Ideas	_____ 3 hr
Social Science¹ (Subgrp __)	_____ 3 hr	OR Second Historical Study	_____ 3 hr
Historical Study	_____ 3 hr	Professional Ethics	_____ 0-3 hr
		Diversity	_____ 0-3 hr

Major Specific Gen Ed Courses

¹ECON 2001.XX is required for Aviation, Civil, Environmental Engineering (Social Science Subgroup C)

Course Selection

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

Honors and Service Learning Courses

Certain Gen Ed courses are offered as service-learning, honors, and/or honors embedded courses.

H = Honors E = Honors Embedded S = Service Learning

If the notation is in parentheses, course is offered in the standard version and in the version indicated.

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.

Writing and Communication Level 1

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

Writing and Communication Level 2

African-American & African Studies <u>2367.01</u> , <u>2367.02</u> , <u>2367.04</u>	English <u>2367.01(H,E,S)</u> , <u>2367.02(H)</u> , <u>2367.03(H)</u> , <u>2367.04(H)</u> , <u>2367.05(H)</u> , <u>2367.06</u>	Philosophy <u>2367</u>
Agricultural Communication <u>2367</u>	Environment & Natural Resources <u>2367</u>	Physics <u>2367</u>
Animal Science <u>2367</u>	Film Studies <u>2367.01</u> , <u>2367.02</u>	Political Science <u>2367(H)</u>
Arabic <u>2367</u>	German <u>2367</u>	Psychology, <u>2367.01</u> , <u>2367.02</u>
Art Education <u>2367.01(H)</u> , <u>2367.02</u> , <u>2367.03</u>	Hebrew <u>2367.01</u>	Public Affairs <u>2367</u>
Communication <u>2367(H)</u>	Human Development & Family Science <u>2367</u>	Slavic Languages & Literatures <u>2367</u>
Comparative Studies <u>2367.02</u> , <u>2367.04</u> , <u>2367.07</u> , <u>2367.08(H)</u>	Jewish History <u>2367</u>	Sociology <u>2367.01H</u> , <u>2367.02</u> ,
Dance <u>2367(H)</u>	Landscape Architecture <u>2367(E)</u>	Spanish <u>2367</u>
Economics <u>2367.02</u>	Linguistics <u>2367.01(H)</u> , <u>2367.02</u>	Theatre <u>2367.01(H)</u> , <u>2367.02</u> , <u>2367.03</u>
Education: Teaching and Learning <u>2367</u>	Modern Greek <u>2367</u>	Women's, Gender & Sexuality Studies <u>2367.01</u> , <u>2367.02</u> , <u>2367.03</u> , <u>2367.04</u>
Engineering <u>2367</u> , <u>2367.01H</u>	Nursing <u>2367</u>	Yiddish <u>2367</u>
	Pharmacy <u>2367.01</u> , <u>2367.02</u>	

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.

Individuals & Groups Subgroup

African-American & African Studies 1101, 2218	Educational Studies: Cultural Foundation of Education 2241	Public Health <u>2010</u>
Animal Science <u>2367</u>	Geography 2100	Rural Sociology <u>3580</u>
Anthropology <u>2201(H)</u> , <u>2202(H)</u> , 3420, <u>3597.01</u> , <u>3597.02</u>	Human Development and Family Science 2200, 2350, 2400, 2410, 3440	Slavic Languages & Literatures 3800
Communication 1100, 1101, 1102H, 2331, 3442	International Studies <u>3850</u>	Social Work 1130(H)
Consumer Sciences: Fashion & Retail Studies 2372	Linguistics <u>1100</u> , <u>3501</u> , <u>3602(H)</u> , <u>3603</u> , 3701(H)	Sociology 2210, 2370, 3380
Economics 3048	Political Science 2150(H), 3596(H)	Spanish <u>2389</u>
Education: Teaching and Learning 3160, <u>4005</u>	Psychology <u>1100(H,E)</u> , <u>1200</u> , 2367.01, 3371(H)	Speech & Hearing Science 3330(H), 3350 (H)
		Women's, Gender Sexuality Studies <u>1110(H)</u>

Organizations & Politics Subgroup

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

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), 2345, 2367.01H, 2367.02

Human, Natural, & Economic Resources Subgroup

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, 2500(H), 2580, 3350

Political Science 1300, 3220, 3225
Public Affairs 2110
Sociology 2320, 3460, 3463(H)
Social Work 1120

Social Sciences Courses Which Overlap with Professional Ethics

The following courses can be used to fulfill both the Social Sciences subgroup Gen Ed and the Professional Ethics Gen Ed categories:

Economics 3048 – Social Sciences Individuals and Groups Subgroup and Professional Ethics

Sociology 3302, 3464 - Social Science Gen Ed in any subgroup and Professional Ethics

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, 3081, 3083, 3086, 3089, 3304, 3308
Classics 2221(E), 2222, 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, 2040, 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, 2352, 2353, 2375, 2390, 2392, 2393, 2401, 2402, 2450, 2451, 2452, 2453, 2454, 2455, 2475, 2500, 2550, 2610(H), 2620, 2630, 2641, 2642,

2650, 2651, 2675, 2680, 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, 3100, 3101, 3105, 3106, 3210, 3211, 3213(H), 3214, 3215, 3216, 3218, 3219, 3220, 3221, 3222, 3223, 3225, 3226, 3227, 3229, 3230, 3231, 3232, 3235, 3236, 3239, 3240, 3245, 3246, 3247, 3249, 3250, 3251, 3252, 3253, 3254, 3260, 3262, 3263, 3266, 3267, 3269, 3270, 3276, 3277, 3281, 3282, 3283, 3301, 3302, 3304, 3306, 3307, 3308, 3310, 3312, 3313, 3351, 3353, 3357, 3365, 3375, 3376, 3401, 3403, 3404, 3405, 3410, 3411, 3425, 3426, 3435, 3436, 3450, 3455, 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, 3706, 3608,

3711, 3712, 3715, 3724, 3798.02, 3798.03, 3798.04, 3798.05, 3798.06
History of Art 2001(H), 2002(H), 2003(H), 2005, 2301
International Studies 3350
Jewish History 2450, 2451, 2452, 2453, 2454, 2455, 2475, 3450, 3455, 3460, 3465, 3470, 3505
Kinesiology: Sport Industry & Sport Management 2210, 2211
Microbiology 3798.05
Near Eastern Languages & Cultures 3111, 2680
Philosophy 2660
Pharmacy 3708
Political Science 4123
Public Affairs 2500
Religious Studies 3222, 3680
Women's, Gender & Sexuality Studies 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.

Literature

African-American & African Studies 2251, 2281, 2367.01, 2367.04, 3956, 4551
Arabic 2701, 2702(H), 2705
Chinese 2451, 4401, 4402, 4403, 4404
Classics 1101(H), 2220(H), 2221(E), 2500H, 3203, 3402, 3956
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, 2501

German 2250, 2251, 2252H, 2253, 2254, 2256, 3252
Hebrew 2700(H), 2702, 2703, 2704, 2708
History 2221(E), 3218
Italian 2051, 2052, 2054, 3051
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
Persian 2301, 2701, 2704

Philosophy 2120, 2465, 3210, 3220, 3230, 3240, 3250, 3261
Portuguese 2150, 2159
Religious Studies 2102.01(H), 2102.02
Russian 2250(H)
Scandinavian 3350, 5251
Slavic Languages & Literatures 2345
Spanish 2320, 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

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(S)
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, 3704
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, 3603, 3605, 3605H, 3611, 3901, 4421, 4605, 4810, 4820, 4825
Italian 2053, 2055
Jewish History 2205, 2245
Landscape Architecture 2600(E)
Modern Greek 2680
Music 2250, 2251(E), 2252, 2253, 2254, 2288, 3342, 3343, 3344, 3345, 3347, 3348, 3349, 3350, 3360, 3664(E)

Philosophy 2450, 2455, 2470H
Physics 3201H
Portuguese 2335
Religious Studies 3679
Russian 3460, 3470
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: Second Historical Study or Cultures & Ideas (3 hr) Select ONE course from Historical Study or Cultures & Ideas.

2nd Historical Study - See courses listed in Historical Study category on page 2.

Cultures & Ideas

African-American & African Studies <u>2285</u> , <u>3342H</u> , 4342, 5485.01	English 1167H, 2264, 2270(H), 2276, 2277, <u>2282</u> , 3271, 3364, 3378	Medieval & Renaissance Studies <u>2211</u> , <u>2215</u> , <u>2217</u> , <u>2513</u> , <u>2514</u> , <u>2516</u> , <u>2520</u> , <u>2526</u> , <u>2610</u> , <u>2618</u> , <u>2666</u>
Anthropology 1100, <u>2241</u> , 3434	Engineering 5797.18	Modern Greek <u>2000</u> , <u>2100</u> , <u>2240(H)</u> , <u>2410</u>
Arabic <u>2241(H)</u> , <u>2367</u> , <u>3301</u>	Environment & Natural Resources 3470	Near Eastern Languages & Cultures <u>2220</u> , <u>2241</u> , <u>2244</u> , <u>3201</u> , <u>3204</u> , <u>3205</u> , <u>3501</u> , <u>3620</u> , <u>3625.01</u> , <u>3625.02</u> , <u>3700</u>
Architecture 2300(E), <u>3195</u> , 4596E	French 1803.01, 1803.02, 1803.03, 3801	Persian 2241
Art Education <u>2550</u>	German 2255, 2350, <u>2352</u> , 3253, 3256, <u>3351</u> , <u>3353(H)</u> , <u>3451H</u>	Pharmacy 3420
Arts and Sciences 2400(E), 4870	Health & Rehabilitation Services 2530	Philosophy 1100(H), 1300(H) (does NOT fulfill Ethics category), 1332, 1337, 1338, 2340, 2400, 2455, 2850, 2860, 3111, 3120, <u>3420</u>
Bioethics 2000, 2010	Hebrew <u>2216</u> , <u>2241(H)</u> , <u>3120</u> , 3210, <u>3280</u>	Portuguese <u>2330</u> , <u>2331</u>
Chinese <u>2231</u> , <u>2232</u>	History <u>2079</u> , <u>2210</u> , <u>2450</u> , 3213(H)	Religious Studies <u>2370(H)</u> , 2670, <u>3210(H)</u> , <u>3672</u>
Classics <u>2201(H)</u> , <u>2202(H)</u> , <u>2204</u> , <u>2205</u> , <u>2301</u> , <u>2526</u> , <u>2798.02</u> , 3000, <u>3404</u> , 3408	History of Art <u>2301</u> , 4701	Russian <u>2335.01</u> , <u>2335.99</u> , <u>2345</u> , 3530
Community Leadership <u>3535</u>	Honors 2396H (<i>AU London Trip</i>)	Slavic Languages and Literatures <u>2230</u> , <u>3333</u>
Comparative Studies <u>2220</u> , 2264, <u>2281</u> , <u>2321</u> , <u>2322</u> , <u>2323</u> , <u>2340</u> , 2341, 2350(H), 2360, <u>2367.04</u> , <u>2367.07</u> , <u>2367.08(H)</u> , <u>3302(E)</u> , 3501, 3620, 3645(H), 3646, <u>3657</u> , <u>3689</u> , <u>3692</u> , <u>4822</u>	Japanese <u>2231</u> , 2255	Spanish <u>2150</u> , <u>2151</u> , <u>2242</u> , <u>2331</u> , <u>2332</u>
Dance 3401, 3402	Jewish History <u>2201</u> , <u>2241</u> , <u>2242(H)</u> , 2367, <u>2450</u> , <u>2516</u> , 3111, 3210, 3210(H)	Turkish <u>2241</u>
East Asian Languages & Literatures <u>1231</u> , 2284	Korean <u>2231</u>	Women's, Gender & Sexuality Studies <u>1110(H)</u> , <u>2282</u>
	Landscape Architecture 2300(E), 2367(E)	Yiddish <u>2241</u> , 2367
	Linguistics 2000(H), <u>3601</u> , 3901	

Cultures & Ideas Courses Which Overlap with Professional Ethics GE

The following courses can be used to fulfill both the Cultures and Ideas and the Professional Ethics Gen Ed categories:

Bioethics 2010	Comparative Studies 2341	Philosophy 1332, 1337, 1338
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PROFESSIONAL ETHICS (0-3 hr) Select ONE course. This category permits overlap with another Gen Ed 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.

Ethics + Social Science Courses

Economics 3048 (Individuals and Groups
subgroup)
Sociology 3302, 3464 (any subgroup)

Ethics + Cultures & Ideas Courses

Bioethics 2010
Comparative Studies 2341
Philosophy 1332, 1337, 1338*
*Recommended for CSE students

Ethics Only

Naval Science 4210 (SU12 or later)

DIVERSITY (0-3 hr) Select ONE course. This category permits overlap with another Gen Ed 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 the following approved substitutions:

- Foreign Language 1103 Course:** credit (including EM) for a foreign language sequence through 1103, or credit for a foreign language course with a prerequisite of 1103, can be used to satisfy the Cultures & Ideas Gen Ed category.
- Foreign Language Minor Courses:** completion of a foreign language minor permits a student to overlap up to 6 credit hours between the Gen Ed and minor. A curricular petition must be submitted to the student's program, which will forward it to the college for review. The courses must meet the spirit of the Gen Ed category for which overlap is requested.

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