

course-modes

Data cleaning

Analysis

Some subjects only offered online classes each semester

The following subjects only offered online classes in fall.

| SUBJECT | per_fall_online | total_fall |
|---------------------------------------|-----------------|------------|
| Electrical & Computer Engineering: | 1 | 15 |
| Latino/a Studies in the Global South: | 1 | 5 |
| Sustainability Engagement: | 1 | 1 |
| Hindi: | 1 | 4 |
| French: | 1 | 13 |
| Italian: | 1 | 8 |
| Japanese: | 1 | 3 |
| Kiche: | 1 | 2 |
| Korean: | 1 | 4 |
| Persian: | 1 | 2 |
| Portuguese: | 1 | 3 |
| Spanish: | 1 | 26 |
| Urdu: | 1 | 1 |
| Child Policy: | 1 | 1 |
| Decision Sciences: | 1 | 1 |
| Biochem: | 1 | 1 |

Of those, 11 subjects offered more than 1 class and 7 subjects offered 4+. Only 2 of these 11 subjects–ECE and Latino/a Studies in the Global South– are non-language subjects.

| SUBJECT | per_fall_online | total_fall |
|---------------------------------------|-----------------|------------|
| Electrical & Computer Engineering: | 1 | 15 |
| Latino/a Studies in the Global South: | 1 | 5 |
| Hindi: | 1 | 4 |
| French: | 1 | 13 |
| Italian: | 1 | 8 |
| Japanese: | 1 | 3 |
| Kiche: | 1 | 2 |
| Korean: | 1 | 4 |
| Persian: | 1 | 2 |
| Portuguese: | 1 | 3 |
| Spanish: | 1 | 26 |

The following subjects only offered online classes in spring.

| SUBJECT | per_spring_online | total_spring |
|---------------------------------------|-------------------|--------------|
| Lat. Am. & Caribbean Studies: | 1 | 3 |
| Computer Science: | 1 | 23 |
| Latino/a Studies in the Global South: | 1 | 10 |
| Romance Studies: | 1 | 8 |
| Sustainability Engagement: | 1 | 2 |
| Hindi: | 1 | 4 |
| Chinese: | 1 | 11 |
| Japanese: | 1 | 4 |
| Kiche: | 1 | 2 |
| Korean: | 1 | 4 |
| Latin: | 1 | 4 |
| Persian: | 1 | 1 |
| Portuguese: | 1 | 4 |
| Turkish: | 1 | 4 |
| Spanish: | 1 | 29 |
| Urdu: | 1 | 1 |
| Biochem: | 1 | 2 |
| Arts and Science IDEAS | 1 | 2 |

Of those, 11 subjects offered 4+ courses in the spring. Only 3 of these 11 subjects—CS, Romance studies and Latino/a Studies in the Global South—are non-language subjects.

| SUBJECT | per_spring_online | total_spring |
|---------------------------------------|-------------------|--------------|
| Computer Science: | 1 | 23 |
| Latino/a Studies in the Global South: | 1 | 10 |
| Romance Studies: | 1 | 8 |
| Hindi: | 1 | 4 |
| Chinese: | 1 | 11 |
| Japanese: | 1 | 4 |
| Korean: | 1 | 4 |
| Latin: | 1 | 4 |
| Portuguese: | 1 | 4 |
| Turkish: | 1 | 4 |
| Spanish: | 1 | 29 |

| SUBJECT | per_fall_online | total_fall |
|---------------------------------------|-----------------|------------|
| Electrical & Computer Engineering: | 1.000 | 15 |
| Latino/a Studies in the Global South: | 1.000 | 5 |
| Hindi: | 1.000 | 4 |
| French: | 1.000 | 13 |
| Italian: | 1.000 | 8 |
| Korean: | 1.000 | 4 |
| Spanish: | 1.000 | 26 |
| Computer Science: | 0.950 | 20 |
| Medieval & Renaissance Studies: | 0.929 | 14 |
| Chinese: | 0.909 | 11 |
| Mechanical Engineering: | 0.875 | 16 |

| SUBJECT | per_fall_online | total_fall |
|---|-----------------|------------|
| Lat. Am. & Caribbean Studies: | 0.857 | 7 |
| Statistical Science: | 0.857 | 14 |
| African & African American Studies: | 0.850 | 20 |
| Mathematics: | 0.833 | 30 |
| Asian & Middle Eastern Studies: | 0.800 | 35 |
| Slavic and Eurasian Studies: | 0.800 | 5 |
| Evolutionary Anthropology: | 0.778 | 9 |
| Religious Studies: | 0.778 | 27 |
| German Studies: | 0.750 | 12 |
| Information Science + Studies: | 0.750 | 12 |
| Gender, Sexuality & Feminist Studies: | 0.741 | 27 |
| Writing: | 0.735 | 34 |
| Literature: | 0.733 | 30 |
| International Comparative Studies: | 0.725 | 51 |
| English: | 0.714 | 35 |
| History: | 0.712 | 73 |
| Romance Studies: | 0.700 | 10 |
| Sociology: | 0.684 | 38 |
| Environmental Sciences and Policy: | 0.639 | 36 |
| Art History: | 0.636 | 11 |
| Study of sexualities: | 0.625 | 8 |
| VMS: | 0.615 | 52 |
| Neurosciences: | 0.607 | 28 |
| House Courses: | 0.600 | 20 |
| Psychology: | 0.585 | 41 |
| Classical Studies: | 0.583 | 12 |
| Jewish Studies Program: | 0.583 | 12 |
| Human Rights: | 0.577 | 26 |
| Earth and Ocean Sciences: | 0.571 | 7 |
| Markets & Management Studies: | 0.571 | 7 |
| Economics: | 0.556 | 45 |
| Policy, Journalism & Media Studies: | 0.556 | 9 |
| Public Policy Studies: | 0.556 | 72 |
| Global Health: | 0.536 | 28 |
| Theater Studies: | 0.522 | 23 |
| Cultural Anthropology: | 0.500 | 32 |
| Documentary Studies: | 0.500 | 26 |
| Arabic: | 0.500 | 4 |
| Latin: | 0.500 | 4 |
| Chemistry: | 0.444 | 9 |
| Philosophy: | 0.438 | 16 |
| Political Science: | 0.420 | 50 |
| Science & Society: | 0.417 | 12 |
| Innovation & Entrepreneurship: | 0.375 | 16 |
| Physics: | 0.375 | 16 |
| Ethics: | 0.350 | 20 |
| Education: | 0.348 | 23 |
| Dance: | 0.304 | 23 |
| Music: | 0.268 | 82 |
| Civil & Environmental Engineering: | 0.250 | 8 |
| Linguistics: | 0.250 | 8 |
| Health, Physical Education, & Recreation: | 0.208 | 24 |

| SUBJECT | per_fall_online | total_fall |
|------------------------------|-----------------|------------|
| Russian: | 0.200 | 10 |
| Visual Arts: | 0.105 | 19 |
| Air Force ROTC: | 0.000 | 4 |
| Biology: | 0.000 | 15 |
| Biomedical Engineering: | 0.000 | 11 |
| Military Science, Army ROTC: | 0.000 | 7 |
| Naval Science, Navy ROTC: | 0.000 | 10 |

| SUBJECT | per_spring_online | total_spring |
|---------------------------------------|-------------------|--------------|
| Computer Science: | 1.000 | 23 |
| Latino/a Studies in the Global South: | 1.000 | 10 |
| Romance Studies: | 1.000 | 8 |
| Hindi: | 1.000 | 4 |
| Chinese: | 1.000 | 11 |
| Japanese: | 1.000 | 4 |
| Korean: | 1.000 | 4 |
| Latin: | 1.000 | 4 |
| Portuguese: | 1.000 | 4 |
| Turkish: | 1.000 | 4 |
| Spanish: | 1.000 | 29 |
| Mathematics: | 0.944 | 36 |
| Literature: | 0.938 | 32 |
| Medieval & Renaissance Studies: | 0.938 | 16 |
| French: | 0.933 | 15 |
| Italian: | 0.933 | 15 |
| Statistical Science: | 0.923 | 13 |
| Information Science + Studies: | 0.889 | 18 |
| Religious Studies: | 0.875 | 24 |
| Electrical & Computer Engineering: | 0.864 | 22 |
| Sociology: | 0.846 | 39 |
| African & African American Studies: | 0.842 | 38 |
| Mechanical Engineering: | 0.833 | 12 |
| Art History: | 0.824 | 17 |
| Asian & Middle Eastern Studies: | 0.811 | 37 |
| History: | 0.810 | 79 |
| Writing: | 0.806 | 36 |
| Gender, Sexuality & Feminist Studies: | 0.793 | 29 |
| Human Rights: | 0.781 | 32 |
| VMS: | 0.778 | 72 |
| English: | 0.761 | 46 |
| Jewish Studies Program: | 0.750 | 8 |
| Psychology: | 0.744 | 43 |
| Documentary Studies: | 0.735 | 34 |
| Evolutionary Anthropology: | 0.727 | 11 |
| Global Health: | 0.714 | 21 |
| Science & Society: | 0.700 | 10 |
| Physics: | 0.684 | 19 |
| International Comparative Studies: | 0.678 | 59 |
| House Courses: | 0.667 | 36 |
| Cultural Anthropology: | 0.642 | 53 |
| Economics: | 0.630 | 46 |

| SUBJECT | per_spring_online | total_spring |
|---|-------------------|--------------|
| Neurosciences: | 0.611 | 18 |
| Public Policy Studies: | 0.600 | 80 |
| Arabic: | 0.600 | 5 |
| Environmental Sciences and Policy: | 0.590 | 39 |
| Political Science: | 0.579 | 38 |
| Education: | 0.562 | 16 |
| Markets & Management Studies: | 0.556 | 9 |
| Biology: | 0.542 | 48 |
| Innovation & Entrepreneurship: | 0.533 | 15 |
| German Studies: | 0.500 | 14 |
| Linguistics: | 0.500 | 16 |
| Slavic and Eurasian Studies: | 0.500 | 4 |
| Philosophy: | 0.500 | 12 |
| Earth and Ocean Sciences: | 0.455 | 11 |
| Theater Studies: | 0.455 | 22 |
| Classical Studies: | 0.444 | 9 |
| Ethics: | 0.429 | 21 |
| Visual Arts: | 0.387 | 31 |
| Policy, Journalism & Media Studies: | 0.333 | 6 |
| Health, Physical Education, & Recreation: | 0.318 | 22 |
| Music: | 0.313 | 99 |
| Chemistry: | 0.308 | 13 |
| Civil & Environmental Engineering: | 0.250 | 12 |
| Dance: | 0.240 | 25 |
| Russian: | 0.200 | 15 |
| Biomedical Engineering: | 0.118 | 17 |
| Air Force ROTC: | 0.000 | 4 |
| Military Science, Army ROTC: | 0.000 | 7 |
| Naval Science, Navy ROTC: | 0.000 | 8 |

- percent online, hybrid, in person for every subject
- percent online, hybrid, in person for every subject affiliated w a dept
- percent online, hybrid, in person for every subject that's ROTC
- fall vs. spring for ROTC (no online, more in person in spring)

| SUBJECT | per_fall_online | per_fall_hybrid | per_fall_person | total_fall |
|------------------------------|-----------------|-----------------|-----------------|------------|
| Air Force ROTC: | 0 | 1.000 | 0.000 | 4 |
| Military Science, Army ROTC: | 0 | 0.571 | 0.429 | 7 |
| Naval Science, Navy ROTC: | 0 | 1.000 | 0.000 | 10 |

| SUBJECT | per_spring_online | per_spring_hybrid | per_spring_person | total_spring |
|------------------------------|-------------------|-------------------|-------------------|--------------|
| Air Force ROTC: | 0 | 0.000 | 1.000 | 4 |
| Military Science, Army ROTC: | 0 | 0.000 | 1.000 | 7 |
| Naval Science, Navy ROTC: | 0 | 0.125 | 0.875 | 8 |

- percent online, hybrid, in person for every subject that's a major

| SUBJECT | per_fall_online | per_fall_hybrid | per_fall_person | total_fall | degree |
|---------------------------------------|-----------------|-----------------|-----------------|------------|--------|
| Biomedical Engineering: | 0.000 | 1.000 | 0.000 | 11 | BSE |
| Civil & Environmental Engineering: | 0.250 | 0.750 | 0.000 | 8 | BSE |
| Linguistics: | 0.250 | 0.750 | 0.000 | 8 | BA |
| Music: | 0.268 | 0.646 | 0.085 | 82 | BA |
| Visual Arts: | 0.105 | 0.632 | 0.263 | 19 | BA |
| Physics: | 0.375 | 0.625 | 0.000 | 16 | both |
| Russian: | 0.200 | 0.600 | 0.200 | 10 | BA |
| Philosophy: | 0.438 | 0.562 | 0.000 | 16 | BA |
| Chemistry: | 0.444 | 0.556 | 0.000 | 9 | both |
| Political Science: | 0.420 | 0.480 | 0.100 | 50 | BA |
| Theater Studies: | 0.522 | 0.478 | 0.000 | 23 | BA |
| Cultural Anthropology: | 0.500 | 0.469 | 0.031 | 32 | BA |
| Economics: | 0.556 | 0.444 | 0.000 | 45 | both |
| Dance: | 0.304 | 0.435 | 0.261 | 23 | BA |
| Classical Studies: | 0.583 | 0.417 | 0.000 | 12 | BA |
| Public Policy Studies: | 0.556 | 0.403 | 0.042 | 72 | BA |
| Biology: | 0.000 | 0.400 | 0.600 | 15 | both |
| Psychology: | 0.585 | 0.390 | 0.024 | 41 | both |
| Art History: | 0.636 | 0.364 | 0.000 | 11 | BA |
| VMS: | 0.615 | 0.346 | 0.038 | 52 | BA |
| Romance Studies: | 0.700 | 0.300 | 0.000 | 10 | BA |
| Earth and Ocean Sciences: | 0.571 | 0.286 | 0.143 | 7 | both |
| English: | 0.714 | 0.286 | 0.000 | 35 | BA |
| History: | 0.712 | 0.274 | 0.014 | 73 | BA |
| Sociology: | 0.684 | 0.263 | 0.053 | 38 | BA |
| International Comparative Studies: | 0.725 | 0.255 | 0.020 | 51 | BA |
| Environmental Sciences and Policy: | 0.639 | 0.250 | 0.111 | 36 | BA |
| German Studies: | 0.750 | 0.250 | 0.000 | 12 | BA |
| Neurosciences: | 0.607 | 0.250 | 0.143 | 28 | both |
| Literature: | 0.733 | 0.233 | 0.033 | 30 | BA |
| Evolutionary Anthropology: | 0.778 | 0.222 | 0.000 | 9 | both |
| Asian & Middle Eastern Studies: | 0.800 | 0.200 | 0.000 | 35 | BA |
| Slavic and Eurasian Studies: | 0.800 | 0.200 | 0.000 | 5 | BA |
| Religious Studies: | 0.778 | 0.185 | 0.037 | 27 | BA |
| Mathematics: | 0.833 | 0.167 | 0.000 | 30 | both |
| African & African American Studies: | 0.850 | 0.150 | 0.000 | 20 | BA |
| Statistical Science: | 0.857 | 0.143 | 0.000 | 14 | both |
| Mechanical Engineering: | 0.875 | 0.125 | 0.000 | 16 | BSE |
| Gender, Sexuality & Feminist Studies: | 0.741 | 0.111 | 0.148 | 27 | BA |
| Medieval & Renaissance Studies: | 0.929 | 0.071 | 0.000 | 14 | BA |
| Computer Science: | 0.950 | 0.050 | 0.000 | 20 | both |
| Electrical & Computer Engineering: | 1.000 | 0.000 | 0.000 | 15 | BSE |

| SUBJECT | per_spring_online | per_spring_hybrid | per_spring_person | total_spring | degree |
|------------------------------------|-------------------|-------------------|-------------------|--------------|--------|
| Civil & Environmental Engineering: | 0.250 | 0.667 | 0.083 | 12 | BSE |
| Music: | 0.313 | 0.586 | 0.101 | 99 | BA |
| Classical Studies: | 0.444 | 0.556 | 0.000 | 9 | BA |
| Theater Studies: | 0.455 | 0.545 | 0.000 | 22 | BA |
| Biomedical Engineering: | 0.118 | 0.529 | 0.353 | 17 | BSE |
| German Studies: | 0.500 | 0.500 | 0.000 | 14 | BA |

| SUBJECT | per_spring_online | per_spring_hybrid | per_spring_person | total_spring | degree |
|---------------------------------------|-------------------|-------------------|-------------------|--------------|--------|
| Philosophy: | 0.500 | 0.500 | 0.000 | 12 | BA |
| Russian: | 0.200 | 0.467 | 0.333 | 15 | BA |
| Earth and Ocean Sciences: | 0.455 | 0.455 | 0.091 | 11 | both |
| Environmental Sciences and Policy: | 0.590 | 0.385 | 0.026 | 39 | BA |
| Biology: | 0.542 | 0.375 | 0.083 | 48 | both |
| Linguistics: | 0.500 | 0.375 | 0.125 | 16 | BA |
| Visual Arts: | 0.387 | 0.355 | 0.258 | 31 | BA |
| Economics: | 0.630 | 0.348 | 0.022 | 46 | both |
| Public Policy Studies: | 0.600 | 0.325 | 0.075 | 80 | BA |
| Dance: | 0.240 | 0.320 | 0.440 | 25 | BA |
| Chemistry: | 0.308 | 0.308 | 0.385 | 13 | both |
| Political Science: | 0.579 | 0.289 | 0.132 | 38 | BA |
| International Comparative Studies: | 0.678 | 0.271 | 0.051 | 59 | BA |
| Physics: | 0.684 | 0.263 | 0.053 | 19 | both |
| Slavic and Eurasian Studies: | 0.500 | 0.250 | 0.250 | 4 | BA |
| Cultural Anthropology: | 0.642 | 0.245 | 0.113 | 53 | BA |
| English: | 0.761 | 0.239 | 0.000 | 46 | BA |
| Neurosciences: | 0.611 | 0.222 | 0.167 | 18 | both |
| Evolutionary Anthropology: | 0.727 | 0.182 | 0.091 | 11 | both |
| History: | 0.810 | 0.177 | 0.013 | 79 | BA |
| Art History: | 0.824 | 0.176 | 0.000 | 17 | BA |
| Mechanical Engineering: | 0.833 | 0.167 | 0.000 | 12 | BSE |
| Psychology: | 0.744 | 0.163 | 0.093 | 43 | both |
| Asian & Middle Eastern Studies: | 0.811 | 0.162 | 0.027 | 37 | BA |
| VMS: | 0.778 | 0.139 | 0.083 | 72 | BA |
| Gender, Sexuality & Feminist Studies: | 0.793 | 0.138 | 0.069 | 29 | BA |
| African & African American Studies: | 0.842 | 0.105 | 0.053 | 38 | BA |
| Electrical & Computer Engineering: | 0.864 | 0.091 | 0.045 | 22 | BSE |
| Sociology: | 0.846 | 0.077 | 0.077 | 39 | BA |
| Statistical Science: | 0.923 | 0.077 | 0.000 | 13 | both |
| Medieval & Renaissance Studies: | 0.938 | 0.062 | 0.000 | 16 | BA |
| Mathematics: | 0.944 | 0.056 | 0.000 | 36 | both |
| Religious Studies: | 0.875 | 0.042 | 0.083 | 24 | BA |
| Literature: | 0.938 | 0.031 | 0.031 | 32 | BA |
| Computer Science: | 1.000 | 0.000 | 0.000 | 23 | both |
| Romance Studies: | 1.000 | 0.000 | 0.000 | 8 | BA |

(maybe do some sort of test to see if degree and percent hybrid are related)

- percent online, hybrid, in person for every subject that's not a major
- percent online, hybrid, in person BA/BSE/both

| degree | mean_fall_online | mean_fall_hybrid | mean_fall_person |
|--------|------------------|------------------|------------------|
| BSE | 0.531 | 0.469 | 0.000 |
| BA | 0.591 | 0.356 | 0.053 |
| both | 0.596 | 0.321 | 0.083 |
| NA | NaN | NaN | NaN |

no appreciable difference between BA/both for fall. (test?)

| degree | mean_spr_online | mean_spr_hybrid | mean_spr_person |
|--------|-----------------|-----------------|-----------------|
| BSE | 0.516 | 0.363 | 0.120 |
| BA | 0.642 | 0.271 | 0.087 |
| both | 0.688 | 0.223 | 0.089 |
| NA | NaN | NaN | NaN |

no appreciable difference between BA/both for spring. (test?)

- fall vs. spring for languages

| SUBJECT | per_fall_online | per_fall_hybrid | per_fall_person | total_fall |
|-----------------|-----------------|-----------------|-----------------|------------|
| Hebrew: | 0.000 | 1.000 | 0.000 | 2 |
| Creole: | 0.333 | 0.667 | 0.000 | 3 |
| Turkish: | 0.333 | 0.667 | 0.000 | 3 |
| Russian: | 0.200 | 0.600 | 0.200 | 10 |
| Arabic: | 0.500 | 0.500 | 0.000 | 4 |
| Latin: | 0.500 | 0.500 | 0.000 | 4 |
| Greek: | 0.333 | 0.333 | 0.333 | 3 |
| German Studies: | 0.750 | 0.250 | 0.000 | 12 |
| Chinese: | 0.909 | 0.091 | 0.000 | 11 |
| Hindi: | 1.000 | 0.000 | 0.000 | 4 |
| French: | 1.000 | 0.000 | 0.000 | 13 |
| Italian: | 1.000 | 0.000 | 0.000 | 8 |
| Japanese: | 1.000 | 0.000 | 0.000 | 3 |
| Kiche: | 1.000 | 0.000 | 0.000 | 2 |
| Korean: | 1.000 | 0.000 | 0.000 | 4 |
| Persian: | 1.000 | 0.000 | 0.000 | 2 |
| Portuguese: | 1.000 | 0.000 | 0.000 | 3 |
| Spanish: | 1.000 | 0.000 | 0.000 | 26 |
| Urdu: | 1.000 | 0.000 | 0.000 | 1 |

| SUBJECT | per_spring_online | per_spring_hybrid | per_spring_person | total_spring |
|-----------------|-------------------|-------------------|-------------------|--------------|
| Creole: | 0.333 | 0.667 | 0.000 | 3 |
| Hebrew: | 0.333 | 0.667 | 0.000 | 3 |
| German Studies: | 0.500 | 0.500 | 0.000 | 14 |
| Russian: | 0.200 | 0.467 | 0.333 | 15 |
| Arabic: | 0.600 | 0.400 | 0.000 | 5 |
| French: | 0.933 | 0.067 | 0.000 | 15 |
| Hindi: | 1.000 | 0.000 | 0.000 | 4 |

| SUBJECT | per_spring_online | per_spring_hybrid | per_spring_person | total_spring |
|-------------|-------------------|-------------------|-------------------|--------------|
| Chinese: | 1.000 | 0.000 | 0.000 | 11 |
| Greek: | 0.667 | 0.000 | 0.333 | 3 |
| Italian: | 0.933 | 0.000 | 0.067 | 15 |
| Japanese: | 1.000 | 0.000 | 0.000 | 4 |
| Kiche: | 1.000 | 0.000 | 0.000 | 2 |
| Korean: | 1.000 | 0.000 | 0.000 | 4 |
| Latin: | 1.000 | 0.000 | 0.000 | 4 |
| Persian: | 1.000 | 0.000 | 0.000 | 1 |
| Portuguese: | 1.000 | 0.000 | 0.000 | 4 |
| Turkish: | 1.000 | 0.000 | 0.000 | 4 |
| Spanish: | 1.000 | 0.000 | 0.000 | 29 |
| Urdu: | 1.000 | 0.000 | 0.000 | 1 |

Trinity/Pratt comparisons

```
## # A tibble: 3 x 2
## # Groups:   trinity/pratt [3]
##   'trinity/pratt'      n
##   <chr>              <int>
## 1 p                   4
## 2 t                  76
## 3 <NA>              12
```

| trinity/pratt | prop_online_fall | prop_hybrid_fall | prop_person_fall |
|---------------|------------------|------------------|------------------|
| p | 0.620 | 0.380 | 0.000 |
| t | 0.602 | 0.347 | 0.051 |
| NA | 0.250 | 0.597 | 0.153 |

| trinity/pratt | prop_online_spring | prop_hybrid_spring | prop_person_spring |
|---------------|--------------------|--------------------|--------------------|
| p | 0.540 | 0.333 | 0.127 |
| t | 0.685 | 0.241 | 0.074 |
| NA | 0.429 | 0.238 | 0.333 |

Subjects affiliated with a department

| SUBJECT | prop_online_fall | prop_hybrid_fall | prop_person_fall | prop_online_spring | prop_hybrid_spring | prop_person_spring |
|-------------------------------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|
| Electrical & Computer Engineering: | 1.000 | 0.000 | 0.000 | 0.864 | 0.091 | 0.045 |
| Computer Science: | 0.950 | 0.050 | 0.000 | 1.000 | 0.000 | 0.000 |
| Mechanical Engineering: | 0.875 | 0.125 | 0.000 | 0.833 | 0.167 | 0.000 |
| Statistical Science: | 0.857 | 0.143 | 0.000 | 0.923 | 0.077 | 0.000 |
| African & African American Studies: | 0.850 | 0.150 | 0.000 | 0.842 | 0.105 | 0.053 |
| Mathematics: | 0.833 | 0.167 | 0.000 | 0.944 | 0.056 | 0.000 |
| Slavic and Eurasian Studies: | 0.800 | 0.200 | 0.000 | 0.500 | 0.250 | 0.250 |

| SUBJECT | prop_online_fall | prop_hybrid_fall | prop_person_fall | prop_online_spring | prop_hybrid_spring | prop_person_spring |
|---|------------------|------------------|------------------|--------------------|--------------------|--------------------|
| Evolutionary | 0.778 | 0.222 | 0.000 | 0.727 | 0.182 | 0.091 |
| Anthropology: | | | | | | |
| Religious Studies: | 0.778 | 0.185 | 0.037 | 0.875 | 0.042 | 0.083 |
| German Studies: | 0.750 | 0.250 | 0.000 | 0.500 | 0.500 | 0.000 |
| Gender, Sexuality & Feminist Studies: | 0.741 | 0.111 | 0.148 | 0.793 | 0.138 | 0.069 |
| Literature: | 0.733 | 0.233 | 0.033 | 0.938 | 0.031 | 0.031 |
| International | 0.725 | 0.255 | 0.020 | 0.678 | 0.271 | 0.051 |
| Comparative Studies: | | | | | | |
| English: | 0.714 | 0.286 | 0.000 | 0.761 | 0.239 | 0.000 |
| History: | 0.712 | 0.274 | 0.014 | 0.810 | 0.177 | 0.013 |
| Sociology: | 0.684 | 0.263 | 0.053 | 0.846 | 0.077 | 0.077 |
| Economics: | 0.556 | 0.444 | 0.000 | 0.630 | 0.348 | 0.022 |
| Theater Studies: | 0.522 | 0.478 | 0.000 | 0.455 | 0.545 | 0.000 |
| Cultural Anthropology: | 0.500 | 0.469 | 0.031 | 0.642 | 0.245 | 0.113 |
| Chemistry: | 0.444 | 0.556 | 0.000 | 0.308 | 0.308 | 0.385 |
| Philosophy: | 0.438 | 0.562 | 0.000 | 0.500 | 0.500 | 0.000 |
| Political Science: | 0.420 | 0.480 | 0.100 | 0.579 | 0.289 | 0.132 |
| Physics: | 0.375 | 0.625 | 0.000 | 0.684 | 0.263 | 0.053 |
| Education: | 0.348 | 0.609 | 0.043 | 0.562 | 0.312 | 0.125 |
| Dance: | 0.304 | 0.435 | 0.261 | 0.240 | 0.320 | 0.440 |
| Music: | 0.268 | 0.646 | 0.085 | 0.313 | 0.586 | 0.101 |
| Civil & Environmental Engineering: | 0.250 | 0.750 | 0.000 | 0.250 | 0.667 | 0.083 |
| Linguistics: | 0.250 | 0.750 | 0.000 | 0.500 | 0.375 | 0.125 |
| Health, Physical Education, & Recreation: | 0.208 | 0.542 | 0.250 | 0.318 | 0.318 | 0.364 |
| Air Force ROTC: | 0.000 | 1.000 | 0.000 | 0.000 | 0.000 | 1.000 |
| Biology: | 0.000 | 0.400 | 0.600 | 0.542 | 0.375 | 0.083 |
| Biomedical Engineering: | 0.000 | 1.000 | 0.000 | 0.118 | 0.529 | 0.353 |
| Military Science, Army ROTC: | 0.000 | 0.571 | 0.429 | 0.000 | 0.000 | 1.000 |
| Naval Science, Navy ROTC: | 0.000 | 1.000 | 0.000 | 0.000 | 0.125 | 0.875 |

Major/minor/cert/none comparisons

| major/minor/cert/none | n |
|-----------------------|----|
| major | 42 |
| NA | 28 |
| certificate | 17 |
| minor | 4 |
| co-major | 1 |

| major/minor/cert/none | prop_online_fall | prop_hybrid_fall | prop_person_fall |
|-----------------------|------------------|------------------|------------------|
| certificate | 0.541 | 0.421 | 0.038 |
| co-major | 0.536 | 0.429 | 0.036 |
| major | 0.592 | 0.354 | 0.054 |

| major/minor/cert/none | prop_online_fall | prop_hybrid_fall | prop_person_fall |
|-----------------------|------------------|------------------|------------------|
| minor | 0.421 | 0.526 | 0.053 |
| NA | 0.631 | 0.297 | 0.072 |

| major/minor/cert/none | prop_online_spring | prop_hybrid_spring | prop_person_spring |
|-----------------------|--------------------|--------------------|--------------------|
| certificate | 0.693 | 0.223 | 0.084 |
| co-major | 0.714 | 0.238 | 0.048 |
| major | 0.654 | 0.266 | 0.080 |
| minor | 0.654 | 0.231 | 0.115 |
| NA | 0.720 | 0.138 | 0.142 |

BS/BA/both comparisons

| BS/BA/both | n |
|------------|----|
| NA | 50 |
| BA | 27 |
| both | 11 |
| BSE | 4 |

| BS/BA/both | prop_online_fall | prop_hybrid_fall | prop_person_fall |
|------------|------------------|------------------|------------------|
| BA | 0.584 | 0.361 | 0.055 |
| both | 0.611 | 0.325 | 0.064 |
| BSE | 0.620 | 0.380 | 0.000 |
| NA | 0.571 | 0.374 | 0.055 |

| BS/BA/both | prop_online_spring | prop_hybrid_spring | prop_person_spring |
|------------|--------------------|--------------------|--------------------|
| BA | 0.647 | 0.273 | 0.080 |
| both | 0.701 | 0.228 | 0.071 |
| BSE | 0.540 | 0.333 | 0.127 |
| NA | 0.705 | 0.182 | 0.113 |

ROTC

| ROTC | n |
|------|----|
| 0 | 89 |
| 1 | 3 |

| ROTC | prop_online_fall | prop_hybrid_fall | prop_person_fall |
|------|------------------|------------------|------------------|
| 0 | 0.594 | 0.353 | 0.053 |
| 1 | 0.000 | 0.857 | 0.143 |

| ROTC | prop_online_spring | prop_hybrid_spring | prop_person_spring |
|------|--------------------|--------------------|--------------------|
| 0 | 0.674 | 0.246 | 0.079 |
| 1 | 0.000 | 0.053 | 0.947 |

| SUBJECT | online (fall) | hybrid (fall) | in-person (fall) | online (spring) | hybrid (spring) | in-person (spring) |
|---------------------------------|------------------|------------------|---------------------|--------------------|--------------------|-----------------------|
| Naval Science, Navy ROTC: | 0 | 10 | 0 | 0 | 1 | 7 |
| Air Force ROTC: | 0 | 4 | 0 | 0 | 0 | 4 |
| Military Science, Army ROTC: | 0 | 4 | 3 | 0 | 0 | 7 |

| SUBJECT | prop_online_fall | prop_hybrid_fall | prop_person_fall | prop_online_spring | prop_hybrid_spring | prop_person_spring |
|---------------------------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|
| Air Force ROTC: | 0 | 1.000 | 0.000 | 0 | 0.000 | 1.000 |
| Naval Science, Navy ROTC: | 0 | 1.000 | 0.000 | 0 | 0.125 | 0.875 |
| Military Science, Army ROTC: | 0 | 0.571 | 0.429 | 0 | 0.000 | 1.000 |

Languages

| language | n |
|----------|----|
| 0 | 73 |
| 1 | 19 |

| language | prop_online_fall | prop_hybrid_fall | prop_person_fall |
|----------|------------------|------------------|------------------|
| 0 | 0.568 | 0.375 | 0.057 |
| 1 | 0.797 | 0.178 | 0.025 |

| language | prop_online_spring | prop_hybrid_spring | prop_person_spring |
|----------|--------------------|--------------------|--------------------|
| 0 | 0.655 | 0.253 | 0.092 |
| 1 | 0.801 | 0.149 | 0.050 |

| SUBJECT | online (fall) | hybrid (fall) | in-person (fall) | online (spring) | hybrid (spring) | in-person (spring) |
|--------------------|------------------|------------------|---------------------|--------------------|--------------------|-----------------------|
| Spanish: | 26 | 0 | 0 | 29 | 0 | 0 |
| French: | 13 | 0 | 0 | 14 | 1 | 0 |
| Chinese: | 10 | 1 | 0 | 11 | 0 | 0 |
| German Studies: | 9 | 3 | 0 | 7 | 7 | 0 |
| Italian: | 8 | 0 | 0 | 14 | 0 | 1 |
| Hindi: | 4 | 0 | 0 | 4 | 0 | 0 |
| Korean: | 4 | 0 | 0 | 4 | 0 | 0 |

| SUBJECT | online (fall) | hybrid (fall) | in-person (fall) | online (spring) | hybrid (spring) | in-person (spring) |
|-------------|------------------|------------------|---------------------|--------------------|--------------------|-----------------------|
| Japanese: | 3 | 0 | 0 | 4 | 0 | 0 |
| Portuguese: | 3 | 0 | 0 | 4 | 0 | 0 |
| Arabic: | 2 | 2 | 0 | 3 | 2 | 0 |
| Kiche: | 2 | 0 | 0 | 2 | 0 | 0 |
| Latin: | 2 | 2 | 0 | 4 | 0 | 0 |
| Persian: | 2 | 0 | 0 | 1 | 0 | 0 |
| Russian: | 2 | 6 | 2 | 3 | 7 | 5 |
| Creole: | 1 | 2 | 0 | 1 | 2 | 0 |
| Greek: | 1 | 1 | 1 | 2 | 0 | 1 |
| Turkish: | 1 | 2 | 0 | 4 | 0 | 0 |
| Urdu: | 1 | 0 | 0 | 1 | 0 | 0 |
| Hebrew: | 0 | 2 | 0 | 1 | 2 | 0 |

| SUBJECT | prop_online_fall | prop_hybrid_fall | prop_person_fall | prop_online_spring | prop_hybrid_spring | prop_person_spring |
|-------------|------------------|------------------|------------------|--------------------|--------------------|--------------------|
| Hindi: | 1.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 |
| French: | 1.000 | 0.000 | 0.000 | 0.933 | 0.067 | 0.000 |
| Italian: | 1.000 | 0.000 | 0.000 | 0.933 | 0.000 | 0.067 |
| Japanese: | 1.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 |
| Kiche: | 1.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 |
| Korean: | 1.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 |
| Persian: | 1.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 |
| Portuguese: | 1.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 |
| Spanish: | 1.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 |
| Urdu: | 1.000 | 0.000 | 0.000 | 1.000 | 0.000 | 0.000 |
| Chinese: | 0.909 | 0.091 | 0.000 | 1.000 | 0.000 | 0.000 |
| German | 0.750 | 0.250 | 0.000 | 0.500 | 0.500 | 0.000 |
| Studies: | | | | | | |
| Arabic: | 0.500 | 0.500 | 0.000 | 0.600 | 0.400 | 0.000 |
| Latin: | 0.500 | 0.500 | 0.000 | 1.000 | 0.000 | 0.000 |
| Creole: | 0.333 | 0.667 | 0.000 | 0.333 | 0.667 | 0.000 |
| Greek: | 0.333 | 0.333 | 0.333 | 0.667 | 0.000 | 0.333 |
| Turkish: | 0.333 | 0.667 | 0.000 | 1.000 | 0.000 | 0.000 |
| Russian: | 0.200 | 0.600 | 0.200 | 0.200 | 0.467 | 0.333 |
| Hebrew: | 0.000 | 1.000 | 0.000 | 0.333 | 0.667 | 0.000 |