

Breadth and depth requirements 2009-2010

Many of the checklists have a non-math Breadth and Depth requirement that includes **Humanities (Hum)**, **Social Sciences (SS)**, **Pure Sciences (PS)**, and **Pure and Applied Sciences (AS)**. The following chart indicates which category each subject area is classified under for students using a 2009/2010 calendar.

Some depth examples are on the last page of this document.

| Subject | Description | Hum | SS | PS | AS |
|---------|-------------------------------------|-----|----|----|----|
| ACTSC | Actuarial Science | | | | |
| AFM | Accounting and Financial Management | | √ | | |
| AMATH | Applied Mathematics | | | | |
| ANTH | Anthropology | | √ | | |
| ARCH | Architecture | | | | √ |
| ARTS | Arts | √ | | | |
| BIOL | Biology | | | √ | √ |
| BUS | Business (WLU) | | √ | | |
| CDNST | Canadian Studies | √ | | | |
| CHE | Chemical Engineering | | | | |

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|-------|-------------------------------------|---|---|---|---|
| CHEM | Chemistry | | | √ | √ |
| CHINA | Chinese | √ | | | |
| CIVE | Civil Engineering | | | | |
| CLAS | Classical Studies | √ | | | |
| CM | Computational Mathematics | | | | |
| CO | Combinatorics and Optimization | | | | |
| CROAT | Croatian | √ | | | |
| CS | Computer Science | | | | |
| DAC | Digital Arts Communication | √ | | | |
| DANCE | Dance | √ | | | √ |
| DRAMA | Drama | √ | | | |
| DUTCH | Dutch | √ | | | |
| EARTH | Earth Sciences | | | √ | √ |
| EASIA | East Asian Studies | √ | | | |
| ECE | Electrical and Computer Engineering | | | | |
| ECON | Economics | | √ | | |
| ENGL | English | √ | | | |

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|-------|----------------------------------|---|---|--|---|
| ENVE | Environmental Engineering | | | | |
| ENVS | Environmental Studies | | | | √ |
| ERS | Environment and Resource Studies | | | | √ |
| FINE | Fine Arts | √ | | | |
| FR | French Studies | √ | | | |
| FRCS | French Cultural Studies | √ | | | |
| GENE | General Engineering | | | | |
| GEOE | Geological Engineering | | | | |
| GEOG | Geography | | √ | | |
| GER | German | √ | | | |
| GERON | Gerontology | | | | √ |
| GRK | Greek and Hebrew | √ | | | |
| HIST | History | √ | | | |
| HLTH | Health Studies | | | | √ |
| HRM | Human Resources Management | | √ | | |
| HUMSC | Human Sciences | √ | | | |
| INTTS | International Trade | | √ | | |

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|--------|----------------------------------|---|---|--|---|
| IS | Independent Studies | | | | |
| ISS | Interdisciplinary Social Science | | √ | | |
| ITAL | Italian | √ | | | |
| ITALST | Italian Studies | √ | | | |
| JAPAN | Japanese | √ | | | |
| JS | Jewish Studies | √ | | | |
| KIN | Kinesiology | | | | √ |
| KOREA | Korean | √ | | | |
| LAT | Latin | √ | | | |
| LS | Legal Studies and Criminology | | √ | | |
| MATH | Mathematics | | | | |
| ME | Mechanical Engineering | | | | |
| MSCI | Management Sciences | | √ | | |
| MTE | Mechatronics Engineering | | | | |
| MTHEL | Mathematics Electives | | | | |
| MUSIC | Music | √ | | | |
| NATST | Native Studies | √ | | | |

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|-------|---------------------------------|---|---|---|---|
| NE | Nanotechnology Engineering | | | | |
| OPTOM | Optometry | | | √ | √ |
| PACS | Peace and Conflict Studies | √ | | | |
| PHIL | Philosophy | √ | | | |
| PHYS | Physics | | | √ | √ |
| PLAN | Planning | | | | √ |
| PMATH | Pure Mathematics | | | | |
| POLSH | Polish | √ | | | |
| PORT | Portuguese | √ | | | |
| PSCI | Political Science | | √ | | |
| PSYCH | Psychology | | √ | | |
| REC | Recreation and Leisure Studies | | | | √ |
| RS | Religious Studies | √ | | | |
| RUSS | Russian | √ | | | |
| SCI | Science | | | √ | √ |
| SE | Software Engineering | | | | |
| SMF | Sexuality, Marriage, and Family | | √ | | |

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|-------|---------------------------------------|---|---|--|--|
| SOC | Sociology | | √ | | |
| SOCWK | Social Work | | √ | | |
| SPAN | Spanish | √ | | | |
| SPCOM | Speech Communication | √ | | | |
| SPD | Spirituality and Personal Development | √ | | | |
| STAT | Statistics | | | | |
| STV | Society, Technology and Values | | √ | | |
| SWREN | Social Work (Bachelor of ...) | | √ | | |
| SYDE | Systems Design Engineering | | | | |
| UKRAN | Ukrainian | √ | | | |
| WS | Women's Studies | √ | | | |

The "Depth" requirement can be met in two ways:

- 3 courses (1.5 units) that have the same subject with at least one of them (0.5 units) at the third-year level or higher, or
- 3 courses (1.5 units) with the same subject forming a prerequisite chain of length three.

Here are some examples of prerequisite chains of length three. In each case, course Z has course Y as a prerequisite and course Y has course X as a prerequisite.

- BUS 121W, followed by BUS 352W, followed by BUS 362W
- ECON 101, followed by 201, followed by one of 301, 333, 341, 342, 355, 357, 361.
- ECON 101 and 102, followed by 202, followed by one of 301, 302 (note that 2 courses are required before taking 202 but they do not form a chain)
- ECON 101 and 102, followed by 231, followed by one of 334, 335 (note that 2 courses are required before taking 231 but they do not form a chain)
- JAPAN 101R followed by 102R, followed by 201R
- PHYS 121, followed by 122, followed by one of 222, 226, 234, 246, 252, 256, 263, 358, 375, 380, 381.
- PSYCH 101 followed by 211, followed by one of 306, 307, 308, 320

Many subject areas do not have prerequisite chains. Students interested in these areas should use the first option for satisfying the requirement.