

GRADUATE GUIDE

DOCTORAL MINORS

DOCTORAL MINORS

Breadth is a required component of doctoral training at UW–Madison. A student's doctoral major program determines how breadth is achieved: students either complete an additional program of a doctoral minor or graduate/professional certificate (p.), or breadth is built into the doctoral major program curriculum. Most major programs advise students to enroll in a doctoral minor or graduate/professional certificate to meet the breadth requirement. If a doctoral minor or graduate/professional/capstone certificate is not required by the student's doctoral major program, it is noted on the Requirements tab of the *Guide* degree or named option page. See the Graduate School: Breadth Requirement in Doctoral Training (<https://policy.wisc.edu/library/UW-1200/>) policy for minimum course requirements for the minor.

- African American Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/african-american-studies/african-american-studies-doctoral-minor/>)
- African Cultural Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/african-cultural-studies/african-cultural-studies-doctoral-minor/>)
- African Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/institute-regional-international-studies/african-studies-doctoral-minor/>)
- Agricultural and Applied Economics, Doctoral Minor (<https://guide.wisc.edu/graduate/agricultural-applied-economics/agricultural-applied-economics-doctoral-minor/>)
- Anthropology, Doctoral Minor (<https://guide.wisc.edu/graduate/anthropology/anthropology-doctoral-minor/>)
- Art History, Doctoral Minor (<https://guide.wisc.edu/graduate/art-history/art-history-doctoral-minor/>)
- Art, Doctoral Minor (<https://guide.wisc.edu/graduate/art/art-doctoral-minor/>)
- Asian Languages and Cultures, Doctoral Minor (<https://guide.wisc.edu/graduate/asian-languages-cultures/asian-languages-cultures-doctoral-minor/>)
- Astronomy, Doctoral Minor (<https://guide.wisc.edu/graduate/astronomy/astronomy-doctoral-minor/>)
- Atmospheric and Oceanic Sciences, Doctoral Minor (<https://guide.wisc.edu/graduate/atmospheric-oceanic-sciences/atmospheric-oceanic-sciences-doctoral-minor/>)
- Biochemistry, Doctoral Minor (<https://guide.wisc.edu/graduate/biochemistry/biochemistry-doctoral-minor/>)
- Biomedical Engineering, Doctoral Minor (<https://guide.wisc.edu/graduate/biomedical-engineering/biomedical-engineering-doctoral-minor/>)
- Biophysics, Doctoral Minor (<https://guide.wisc.edu/graduate/graduate-school-wide/biophysics-doctoral-minor/>)
- Botany, Doctoral Minor (<https://guide.wisc.edu/graduate/botany/botany-doctoral-minor/>)
- Business, Doctoral Minor (<https://guide.wisc.edu/graduate/business-school-wide/business-doctoral-minor/>)
- Cartography and Geographic Information Systems, Doctoral Minor (<https://guide.wisc.edu/graduate/geography/cartography-geographic-information-systems-doctoral-minor/>)
- Chemical Engineering, Doctoral Minor (<https://guide.wisc.edu/graduate/chemical-biological-engineering/chemical-engineering-doctoral-minor/>)
- Chemistry, Doctoral Minor (<https://guide.wisc.edu/graduate/chemistry/chemistry-doctoral-minor/>)
- Chicana/o and Latina/o Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/chicana-chicano-latina-latino-studies/chicana-chicano-latina-latino-studies-doctoral-minor/>)
- Chinese, Doctoral Minor (<https://guide.wisc.edu/graduate/asian-languages-cultures/chinese-doctoral-minor/>)
- Civil and Environmental Engineering, Doctoral Minor (<https://guide.wisc.edu/graduate/civil-environmental-engineering/civil-environmental-engineering-doctoral-minor/>)
- Classics, Doctoral Minor (<https://guide.wisc.edu/graduate/classical-ancient-near-eastern-studies/classics-doctoral-minor/>)
- Clinical Investigation, Doctoral Minor (<https://guide.wisc.edu/graduate/institute-clinical-translational-research/clinical-investigation-doctoral-minor/>)
- Communication Arts, Doctoral Minor (<https://guide.wisc.edu/graduate/communication-arts/communication-arts-doctoral-minor/>)
- Communication Sciences and Disorders, Doctoral Minor (<https://guide.wisc.edu/graduate/communication-sciences-disorders/communication-sciences-disorders-doctoral-minor/>)
- Community and Environmental Sociology, Doctoral Minor (<https://guide.wisc.edu/graduate/community-environmental-sociology/community-environmental-sociology-doctoral-minor/>)
- Community-Engaged Scholarship, Doctoral Minor (<https://guide.wisc.edu/graduate/civil-society-community-studies/community-engaged-scholarship-doctoral-minor/>)
- Computer Sciences, Doctoral Minor (<https://guide.wisc.edu/graduate/computer-sciences/computer-sciences-doctoral-minor/>)
- Counseling Psychology, Doctoral Minor (<https://guide.wisc.edu/graduate/counseling-psychology/counseling-psychology-doctoral-minor/>)
- Creative Writing, Doctoral Minor (<https://guide.wisc.edu/graduate/english/creative-writing-doctoral-minor/>)
- Culture, History and Environment, Doctoral Minor (<https://guide.wisc.edu/graduate/environmental-studies/culture-history-environment-doctoral-minor/>)
- Curriculum and Instruction, Doctoral Minor (<https://guide.wisc.edu/graduate/curriculum-instruction/curriculum-instruction-doctoral-minor/>)
- Developmental, Stem Cell and Regenerative Biology, Doctoral Minor (<https://guide.wisc.edu/graduate/cell-regenerative-biology/developmental-stem-cell-regenerative-biology-doctoral-minor/>)
- Distributed, Doctoral Minor (<https://guide.wisc.edu/graduate/graduate-school-wide/distributed-doctoral-minor/>)
- East Asian Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/institute-regional-international-studies/east-asian-studies-doctoral-minor/>)
- Economics, Doctoral Minor (<https://guide.wisc.edu/graduate/economics/economics-doctoral-minor/>)
- Educational Leadership and Policy Analysis, Doctoral Minor (<https://guide.wisc.edu/graduate/educational-leadership-policy-analysis/educational-leadership-policy-analysis-doctoral-minor/>)

- Educational Policy Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/educational-policy-studies/educational-policy-studies-doctoral-minor/>)
- Educational Psychology, Doctoral Minor (<https://guide.wisc.edu/graduate/educational-psychology/educational-psychology-doctoral-minor/>)
- Electrical Engineering, Doctoral Minor (<https://guide.wisc.edu/graduate/electrical-computer-engineering/electrical-engineering-doctoral-minor/>)
- Endocrinology-Reproductive Physiology, Doctoral Minor (<https://guide.wisc.edu/graduate/medicine-public-health-school-wide/endocrinology-reproductive-physiology-doctoral-minor/>)
- Energy Analysis and Policy, Doctoral Minor (<https://guide.wisc.edu/graduate/environmental-studies/energy-analysis-policy-doctoral-minor/>)
- Engineering Mechanics, Doctoral Minor (<https://guide.wisc.edu/graduate/mechanical-engineering/engineering-mechanics-doctoral-minor/>)
- English Linguistics, Doctoral Minor (<https://guide.wisc.edu/graduate/english/english-linguistics-doctoral-minor/>)
- English, Doctoral Minor (<https://guide.wisc.edu/graduate/english/english-doctoral-minor/>)
- Environment and Resources, Doctoral Minor (<https://guide.wisc.edu/graduate/environmental-studies/environment-resources-doctoral-minor/>)
- Environmental Chemistry and Technology, Doctoral Minor (<https://guide.wisc.edu/graduate/engineering-college-wide/environmental-chemistry-technology-doctoral-minor/>)
- Folklore, Doctoral Minor (<https://guide.wisc.edu/graduate/german-nordic-slavic/folklore-doctoral-minor/>)
- Forestry, Doctoral Minor (<https://guide.wisc.edu/graduate/forest-wildlife-ecology/forestry-doctoral-minor/>)
- French, Doctoral Minor (<https://guide.wisc.edu/graduate/french-italian/french-doctoral-minor/>)
- Gender and Women's Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/gender-womens-studies/gender-womens-studies-doctoral-minor/>)
- Geography, Doctoral Minor (<https://guide.wisc.edu/graduate/geography/geography-doctoral-minor/>)
- Geological Engineering, Doctoral Minor (<https://guide.wisc.edu/graduate/civil-environmental-engineering/geological-engineering-doctoral-minor/>)
- German, Doctoral Minor (<https://guide.wisc.edu/graduate/german-nordic-slavic/german-doctoral-minor/>)
- Global Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/institute-regional-international-studies/global-studies-doctoral-minor/>)
- Greek, Doctoral Minor (<https://guide.wisc.edu/graduate/classical-ancient-near-eastern-studies/greek-doctoral-minor/>)
- Hebrew Bible, Doctoral Minor (<https://guide.wisc.edu/graduate/classical-ancient-near-eastern-studies/hebrew-bible-doctoral-minor/>)
- History of Science, Medicine and Technology, Doctoral Minor (<https://guide.wisc.edu/graduate/history/history-science-medicine-technology-doctoral-minor/>)
- History, Doctoral Minor (<https://guide.wisc.edu/graduate/history/history-doctoral-minor/>)
- Human Ecology, Doctoral Minor (<https://guide.wisc.edu/graduate/human-ecology-school-wide/human-ecology-doctoral-minor/>)
- Industrial Engineering, Doctoral Minor (<https://guide.wisc.edu/graduate/industrial-systems-engineering/industrial-engineering-doctoral-minor/>)
- Integrative Biology, Doctoral Minor (<https://guide.wisc.edu/graduate/integrative-biology/integrative-biology-doctoral-minor/>)
- Interdisciplinary Theatre Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/english/interdisciplinary-theatre-studies-doctoral-minor/>)
- Italian, Doctoral Minor (<https://guide.wisc.edu/graduate/french-italian/italian-doctoral-minor/>)
- Japanese, Doctoral Minor (<https://guide.wisc.edu/graduate/asian-languages-cultures/japanese-doctoral-minor/>)
- Kinesiology, Doctoral Minor (<https://guide.wisc.edu/graduate/kinesiology/kinesiology-doctoral-minor/>)
- Landscape Architecture, Doctoral Minor (<https://guide.wisc.edu/graduate/planning-landscape-architecture/landscape-architecture-doctoral-minor/>)
- Latin American, Caribbean, and Iberian Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/institute-regional-international-studies/latin-american-caribbean-iberian-studies-doctoral-minor/>)
- Latin, Doctoral Minor (<https://guide.wisc.edu/graduate/classical-ancient-near-eastern-studies/latin-doctoral-minor/>)
- Law, Doctoral Minor (<https://guide.wisc.edu/graduate/law-school-wide/law-doctoral-minor/>)
- Life Sciences Communication, Doctoral Minor (<https://guide.wisc.edu/graduate/life-sciences-communication/life-sciences-communication-doctoral-minor/>)
- Linguistics, Doctoral Minor (<https://guide.wisc.edu/graduate/language-sciences/linguistics-doctoral-minor/>)
- Mass Communications, Doctoral Minor (<https://guide.wisc.edu/graduate/journalism-mass-communication/mass-communications-doctoral-minor/>)
- Materials Science and Engineering, Doctoral Minor (<https://guide.wisc.edu/graduate/materials-science-engineering/materials-science-engineering-doctoral-minor/>)
- Mathematics, Doctoral Minor (<https://guide.wisc.edu/graduate/mathematics/mathematics-doctoral-minor/>)
- Mechanical Engineering, Doctoral Minor (<https://guide.wisc.edu/graduate/mechanical-engineering/mechanical-engineering-doctoral-minor/>)
- Medieval Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/history/medieval-studies-doctoral-minor/>)
- Microbiology, Doctoral Minor (<https://guide.wisc.edu/graduate/bacteriology/microbiology-doctoral-minor/>)
- Molecular and Cellular Pharmacology, Doctoral Minor (<https://guide.wisc.edu/graduate/medicine-public-health-school-wide/molecular-cellular-pharmacology-doctoral-minor/>)
- Molecular and Environmental Toxicology, Doctoral Minor (<https://guide.wisc.edu/graduate/medicine-public-health-school-wide/molecular-environmental-toxicology-doctoral-minor/>)
- Music, Doctoral Minor (<https://guide.wisc.edu/graduate/music/music-doctoral-minor/>)
- Neuroscience, Doctoral Minor (<https://guide.wisc.edu/graduate/medicine-public-health-school-wide/neuroscience-doctoral-minor/>)

- Nuclear Engineering, Doctoral Minor (<https://guide.wisc.edu/graduate/nuclear-engineering-engineering-physics/nuclear-engineering-doctoral-minor/>)
- Nursing, Doctoral Minor (<https://guide.wisc.edu/graduate/nursing-school-wide/nursing-doctoral-minor/>)
- Philosophy, Doctoral Minor (<https://guide.wisc.edu/graduate/philosophy/philosophy-doctoral-minor/>)
- Physics, Doctoral Minor (<https://guide.wisc.edu/graduate/physics/physics-doctoral-minor/>)
- Plant Breeding and Plant Genetics, Doctoral Minor (<https://guide.wisc.edu/graduate/agricultural-life-sciences-college-wide/plant-breeding-plant-genetics-doctoral-minor/>)
- Plant Pathology, Doctoral Minor (<https://guide.wisc.edu/graduate/plant-pathology/plant-pathology-doctoral-minor/>)
- Polish, Doctoral Minor (<https://guide.wisc.edu/graduate/german-nordic-slavic/polish-doctoral-minor/>)
- Political Science, Doctoral Minor (<https://guide.wisc.edu/graduate/political-science/political-science-doctoral-minor/>)
- Population Health, Doctoral Minor (<https://guide.wisc.edu/graduate/population-health-sciences/population-health-doctoral-minor/>)
- Portuguese, Doctoral Minor (<https://guide.wisc.edu/graduate/spanish-portuguese/portuguese-doctoral-minor/>)
- Prevention and Intervention Science, Doctoral Minor (<https://guide.wisc.edu/graduate/educational-psychology/prevention-intervention-science-doctoral-minor/>)
- Print Culture History, Doctoral Minor (<https://guide.wisc.edu/graduate/information/print-culture-history-doctoral-minor/>)
- Psychology, Doctoral Minor (<https://guide.wisc.edu/graduate/psychology/psychology-doctoral-minor/>)
- Qualitative Research Methodology in Education, Doctoral Minor (<https://guide.wisc.edu/graduate/curriculum-instruction/qualitative-research-methodology-education-doctoral-minor/>)
- Quantitative Biology, Doctoral Minor (<https://guide.wisc.edu/graduate/biomedical-engineering/quantitative-biology-doctoral-minor/>)
- Religious Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/religious-studies/religious-studies-doctoral-minor/>)
- Russian, Doctoral Minor (<https://guide.wisc.edu/graduate/german-nordic-slavic/russian-doctoral-minor/>)
- Russian, East European and Central Asian Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/institute-regional-international-studies/russian-east-european-central-asian-studies-doctoral-minor/>)
- Scandinavian Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/german-nordic-slavic/scandinavian-studies-doctoral-minor/>)
- Science and Technology Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/sociology/science-technology-studies-doctoral-minor/>)
- Second Language Acquisition, Doctoral Minor (<https://guide.wisc.edu/graduate/language-institute/second-language-acquisition-doctoral-minor/>)
- Slavic Languages and Literatures, Doctoral Minor (<https://guide.wisc.edu/graduate/german-nordic-slavic/slavic-languages-literatures-doctoral-minor/>)
- Sociology, Doctoral Minor (<https://guide.wisc.edu/graduate/sociology/sociology-doctoral-minor/>)
- Soil Science, Doctoral Minor (<https://guide.wisc.edu/graduate/soil-environmental-sciences/soil-science-doctoral-minor/>)
- Southeast Asian Studies, Doctoral Minor (<https://guide.wisc.edu/graduate/institute-regional-international-studies/southeast-asian-studies-doctoral-minor/>)
- Spanish, Doctoral Minor (<https://guide.wisc.edu/graduate/spanish-portuguese/spanish-doctoral-minor/>)
- Statistics, Doctoral Minor (<https://guide.wisc.edu/graduate/statistics/statistics-doctoral-minor/>)
- Urban and Regional Planning, Doctoral Minor (<https://guide.wisc.edu/graduate/planning-landscape-architecture/urban-regional-planning-doctoral-minor/>)
- Visual Cultures, Doctoral Minor (<https://guide.wisc.edu/graduate/art-history/visual-cultures-doctoral-minor/>)
- Water Resources Management, Doctoral Minor (<https://guide.wisc.edu/graduate/environmental-studies/water-resources-management-doctoral-minor/>)
- Wildlife Ecology, Doctoral Minor (<https://guide.wisc.edu/graduate/forest-wildlife-ecology/wildlife-ecology-doctoral-minor/>)