Date Submitted: 03/10/22 9:28 am

Viewing: 10KS0336PHD : Geology, PhD

Last approved: 01/13/20 9:13 am

Last edit: 04/07/22 1:31 pm

Changes proposed by: Andrea Ray

Catalog Pages Using this Program	Geology, PhD

Proposal Type:

In Workflow

1. **U Program Review**
2. **1655 Head**
3. **SESE Head**
4. **KV Dean**
5. **University Librarian**
6. **Grad_College**
7. **Provost**
8. **Senate EPC**
9. Senate
10. U Senate Conf
11. Board of Trustees
12. IBHE
13. HLC
14. DMI

Approval Path

1. 03/10/22 9:42 am
   Deb Forgacs (dforgacs):
   Approved for U Program Review
2. 03/11/22 9:02 pm
   Stephen Altaner (altaner):
   Approved for 1655 Head
3. 03/11/22 9:38 pm
   Jonathan Tomkin (tomkin):
   Approved for SESE Head
4. 03/19/22 12:52 pm
   Stephen Downie (sdownie):
   Approved for KV Dean
5. 03/19/22 2:31 pm
   John Wilkin (jpwilkin):

Approved for University Librarian
6. 04/04/22 2:34 pm Allison McKinney (agrindly): Approved for Grad_College
7. 04/07/22 8:58 am Kathy Martensen (kmartens): Approved for Provost

History

1. Jan 13, 2020 by Mary Lowry (lowry)

Major (ex. Special Education)

This proposal is for a:
Revision

Administration Details

Official Program Name	Geology, PhD
Sponsor College	Liberal Arts & Sciences
Sponsor Department	Geology
Sponsor Name	Lijun Liu, Graduate Studies Chair and Professor, Department of Geology
Sponsor Email	ljliu@illinois.edu
College Contact	Stephen R. Downie BEM
College Contact Email	sdownie@illinois.edu
College Budget Officer	Michael Wellens
College Budget Officer Email	wellens@illinois.edu

List the role for rollbacks (which role will edit the proposal on questions from EPC, e.g., Dept Head or Initiator) and/or any additional stakeholders. *Purpose: List here who will do the editing work if proposal needs rolled back. And any other stakeholders.*

Craig Lundstrom, Department Head, Department of Geology, lundstro@illinois.edu

Does this program have inter-departmental administration?

No

Proposal Title

Effective Catalog Term: Fall 2022

Provide a brief, concise description (not justification) of your proposal.

Revision to formal course credit requirements: PhD program in the Department Geology, College of Liberal Arts & Sciences

The Department of Geology proposes a reduction of the required formal course hours for its Ph.D. program. These hours refer to courses at 400-level and above whose grades are letter based (not including reading courses or independent study). The previous requirement is 40 minimum hours for students entering with an approved BS degree and 32 minimum hours for students with a MS degree. We request to reduce these numbers to 24 minimum hours for the former and 16 minimum hours for the latter. The total required hours (96) remain unchanged, with the minimum required thesis (research) hours increased accordingly. The Qualifying Exam has been removed from the Ph.D. program and replaced with greater dissertation committee involvement. Prior to the Preliminary Exam, Dissertation Committees will meet every term. After a student passes their Preliminary Exam, Committees will meet at least once/year.

List here any related proposals/revisions and their keys. *Example: This BS proposal (key 567) is related to the Concentration A proposal (key 145) and the Concentration B proposal (key 203).*

Program Justification

Why are these changes necessary?

There are two main reasons for this adjustment:

First, our graduate students have been unduly stressed by the amount of time needed to finish the required number of hours, and often end up taking courses that are not relevant to their research area. The revised requirement will allow more flexibility: Students whose preparation is strong, and who do not need to complete a larger number of courses to succeed, will progress more rapidly through the program. Other students will take courses beyond the minimum requirement as needed to succeed in their research.

Second, the current credit requirement is higher than that of Earth science departments at all other Big-Ten and peer institutions. This puts us at a disadvantage in recruiting students. The revised number of credit hours is close to the average requirement at these institutions. Consequently, this adjusted credit requirement allows our students to be more active in research and remain competitive among their peers.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

The Geology program will conduct an annual review of all currently enrolled graduate students during the spring term coinciding with an annual, spring term committee meeting. The purpose of the Annual Review is for students to work with their committee to evaluate their progress and to identify an ongoing pathway to professional success. The formal process of annual progress-tracking allows the student and their committee to meet to discuss their advancement towards degree and establish objectives for the coming year. The Annual Review ensures that students, their advisors, and their dissertation committees are held accountable for timely progress and for constructive feedback.

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor's degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs
Geology PhD Comparative Table.docx
Geology PhD Overview Tab.docx
Geology PhD Degree Requirements Tab.docx
Geology PhD Curricula Revision 020222.doc

Attach a side-by-side comparison with the existing program AND, if the revision references or adds "chose-from" lists of courses students can select from to fulfill requirements, a listing of these courses, including the course rubric, number, title, and number of credit hours.

Catalog Page Text - Overview Tab

Text for Overview tab on the Catalog Page. This is not official content, it is used to help build the new catalog page for the program. Can be edited in the catalog by the college or department.

Ph.D. students are evaluated by two oral examinations: a preliminary examination, and a final examination. The objectives of the Preliminary Examination are to determine if the student is prepared to carry out original research at the Ph.D. level, the topic and scope of the proposed dissertation are appropriate, and if the student can communicate clearly. The final examination determines whether or not the dissertation and the student's defense of the research are of acceptable quality for the Ph.D.

Also change Admission information to:

Admission

The admission requirements of the Graduate College apply. Completion of at least one year each of study in college-level calculus, chemistry, and physics. For more information, write to holben@illinois.edu. Under special circumstances, students can be admitted at the beginning of the spring term.

Statement for Programs of Study Catalog

Entering with approved M.S. degree

Course List

Code	Title	Hours
Formal Coursework (must include 4 hours of electives outside Geology)		16
GEOL 599	Thesis Research (44 min applied toward degree)	48

Code	Title	Hours
Total Hours		64

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Minimum Hours Overall Required Within the Unit:	9
Minimum 500-level Hours Required Overall:	12
Each student must present a colloquium on the dissertation research	
~~Qualifying Exam Required~~	~~Yes~~
Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes

All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.

Entering with approved B.S. degree

Course List

Code	Title	Hours
Formal Coursework (must include 4 hours of electives outside Geology)		24
GEOL 599	Thesis Research (48 min applied toward degree)	72
Total Hours		96

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Minimum Hours Overall Required Within the Unit:	9
Minimum 500-level Hours Required Overall:	12
Each student must present a colloquium on the dissertation research	
~~Qualifying Exam Required~~	~~Yes~~
Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes

All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.

Corresponding Degree	PhD Doctor of Philosophy

Program Features

Academic Level	Graduate
Does this major	No

have transcripted concentrations?

What is the typical time to completion of this program?

5

What are the minimum Total Credit Hours required for this program?

64

What is the required GPA? 3.0

CIP Code 400601 - Geology/Earth Science, General.

Is This a Teacher Certification Program?

No

Will specialized accreditation be sought for this program?

No

Delivery Method

This program is available:

On Campus - Students are required to be on campus, they may take some online courses.

Admission Requirements

Desired Effective Admissions Term: Fall 2022

Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students.

The admission requirements of the Graduate College apply. Completion of at least one year each of study in college-level calculus, chemistry, and physics. Under special circumstances, students can be admitted at the beginning of the spring term.

Describe how critical academic functions such as admissions and student advising are managed.

Admissions - The Admissions Committee oversees the evaluation of applications and makes recommendations to the department faculty.

Student Advising - Each student has a Faculty Advisor who advises students in choosing a course of study and assists in initiation of research projects. The Advisor is responsible for monitoring the student's program of study. At least once a year, the Graduate Studies Committee and the student’s Dissertation Committee monitors a student's program to ensure that satisfactory progress toward a degree is being made.

Enrollment

Describe how this revision will impact enrollment and degrees awarded.

No impact to unit.

Estimated Annual Number of Degrees Awarded

Year One Estimate	5th Year Estimate (or when fully implemented)

What is the matriculation term for this program?

Fall

Budget

Are there budgetary implications for this revision?

No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?

No

Additional Budget Information

Attach File(s)

Financial Resources

How does the unit intend to financially support this proposal?

Will the unit need to seek campus or other external resources?

No

Attach letters of support

What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary)

Are you seeking a change in the tuition rate or differential for this program?

No

Is this program requesting self-supporting status?

No

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

No

Technology

Will the program need additional technology beyond what is currently available for the unit?

No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

No

Resources

For each of these items, be sure to include in the response if the proposed new program or change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.

Attach File(s)

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

No impact to unit.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

Current collections and services are adequate for the proposed program.

EP Documentation

EP Control Number	EP.22.140
Attach Rollback/Approval Notices	
This proposal	No

requires HLC inquiry	

DMI Documentation

Attach Final Approval Notices	
Banner/Codebook Name	PHD:Geology -UIUC
Program Code:	10KS0336PHD

Minor Code	Conc Code	Degree Code	PHD	Major Code
0336				

Senate Approval Date	
Senate Conference Approval Date	
BOT Approval Date	
IBHE Approval Date	
HLC Approval Date	
Effective Date:	
Attached Document Justification for this request	
Program Reviewer Comments	**Deb Forgacs (dforgacs) (03/10/22 9:04 am):** Rollback: requested

Key: 325

Proposal for revised curricula (degree, major, concentration, minor)

Submit completed proposals via email to Associate Dean Stephen R. Downie (sdownie@illinois.edu). Please obtain Executive Officer and School Director (if applicable) approval via email and forward with the proposal to LAS.

Proposal Title: Change in formal course credit requirements: PhD program in the Department Geology, College of Liberal Arts & Sciences

Sponsor(s): Lijun Liu, Graduate Studies Chair and Professor, Department of Geology, ljliu@illinois.edu

College contact: Stephen R. Downie, Interim Associate Dean for Curricula and Academic Policy, College of Liberal Arts & Sciences, sdownie@illinois.edu

In addition to the unit sponsor(s), who in the unit should be contacted if the College or campus has questions on the proposal?

Craig Lundstrom, Department Head, Department of Geology, lundstro@illinois.edu

Does this program have inter-departmental administration? Yes / No If yes, list department. Please describe the oversight/governance for this program, e.g., traditional departmental/college governance. Inclusion of/roles of elected faculty committees? Inclusion of/roles of any advisory committees.

PROGRAM DESCRIPTION and JUSTIFICATION

Proposed effective catalog term: *(Proposals may not be implemented until they go through all necessary levels of approval. Proposed changes may not be publicized as final on any web sites, printed documents, etc. until written confirmation of final approval is issued. For LAS units, a fall semester effective term for all curricula will be requested, please indicate the proposed year).*

2022

1) **Provide a brief, concise description of your proposal.** For example, if proposing revisions to a curriculum, state specifically what is changing. Where applicable, note whether stated program changes include additional requirements in the form of prerequisite courses. Requests for curriculum revisions must be accompanied by a table which clearly outlines the current requirements and the proposed revisions. This information may be submitted as an appendix. See Appendix A for an example. Please provide pertinent information only.

The Department of Geology proposes a reduction of the required formal course hours for its Ph.D. program. These hours refer to courses at 400-level and above whose grades are letter based (not including reading courses or independent study). The previous requirement is 40 minimum hours for students entering with an approved BS degree and 32 minimum hours for students with a MS degree. We request to reduce these numbers to 24 minimum hours for the former and 16 minimum hours for the latter. The total required hours (96) remain unchanged, with the minimum required thesis (research) hours increased accordingly. The Qualifying Exam has been removed from the Ph.D. program and replaced with greater dissertation committee involvement. Prior to the Preliminary Exam, Dissertation Committees will meet every term. After a student passes their Preliminary Exam, Committees will meet at least once/year.

2) **Why are these changes necessary?** Please include how your unit decided to revise this program and highlight of the program objectives when applicable.

There are two main reasons for this adjustment:

First, our graduate students have been unduly stressed by the amount of time needed to finish the required number of hours, and often end up taking courses that are not relevant to their research area. The revised requirement will allow more flexibility: Students whose preparation is strong, and who do not need to complete a larger number of courses to succeed, will progress more rapidly through the program. Other students will take courses beyond the minimum requirement as needed to succeed in their research.

Second, the current credit requirement is higher than that of Earth science departments at all other Big-Ten and peer institutions. This puts us at a disadvantage in recruiting students. The revised number of credit hours is close to the average requirement at these institutions. Consequently, this adjusted credit requirement allows our students to be more active in research and remain competitive among their peers.

3) In addition, please provide an answer as to how your undergraduate degree (120 hours of coursework) will satisfy this requirement: IBHE requires that all degree programs contain at least 40 credit hours in upper division courses. Upper division courses have been described as 300- and 400-level coursework and some 200-level courses in which multiple prerequisites are required. N/A

INSTRUCTIONAL RESOURCES

1) **Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change**? If yes, please describe.
No

2) **Does the program include any required or recommended subjects that are offered by other departments? If yes, please list the courses. Explain how these additional courses will be used by the program and provide letters of support from the departments.**
No

PROGRAM REGULATION & ASSESSMENT

1) **Briefly describe the plan to assess and improve student learning, including the program's learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student's achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning**. Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable.
The Geology program will conduct an annual review of all currently enrolled graduate students during the spring term coinciding with an annual, spring term committee meeting. The purpose of the Annual Review is for students to work with their committee to evaluate their progress and to identify an ongoing pathway to professional success. The formal process of annual progress-tracking allows the student and their committee to meet to discuss their advancement towards degree and establish objectives for the coming year. The Annual Review ensures that students, their advisors, and their dissertation committees are held accountable for timely progress and for constructive feedback.

2) Is the career/profession for graduates of this program regulated by the State of Illinois? If yes, please describe. No

PROGRAM FEATURES

1) Will specialized accreditation be sought for this program? No If yes, describe plans for seeking accreditation.

2) If a proposal for a concentration- N/A

will you admit to the concentration directly? Yes / No

is a concentration required for graduation? Yes / No

4) What is the typical time to completion of this program? (majors and grad programs only)

Note: grad certificates require at least 10 weeks. Other examples: BALAS= 4years, MA=2.5 years

- Admitted to doctoral program as Stage I (no approved master's): five years
- Admitted to doctoral program as Stage II (with approved master's): five years

5) What are the minimum Total Credit Hours required for this program? (majors and grad programs only)

- Admitted to doctoral program as Stage I (no approved master's): 96
- Admitted to doctoral program as Stage II (with approved master's): 64

6) For Grad Programs only: What is the required GPA? 3.0

DELIVERY METHOD

What is the program's primary delivery method, choose from following?

- On campus – Students are required to be on campus, they may take some online courses;

ADMISSION REQUIREMENTS (grad programs and undergraduate majors)

1) Desired admissions term: Fall 2022

Is this revision a change to the admission status of the program? No

2) Provide a brief narrative description of the admission requirements for this program. Where relevant, include information about licensure requirements, student background checks, GRE and TOEFL scores, and admission requirements for transfer students. (degrees, majors, concentrations ONLY)

The admission requirements of the Graduate College apply. Completion of at least one year each of study in college-level calculus, chemistry, and physics. Under special circumstances, students can be admitted at the beginning of the spring term.

3) Describe how critical academic functions such as admissions and student advising are managed.
Admissions - The Admissions Committee oversees the evaluation of applications and makes recommendations to the department faculty.

Student Advising - Each student has a Faculty Advisor who advises students in choosing a course of study and assists in initiation of research projects. The Advisor is responsible for monitoring the student's program of study. At least once a year, the Graduate Studies Committee and the student's Dissertation Committee monitors a student's program to ensure that satisfactory progress toward a degree is being made.

ENROLLMENT (grad programs and undergraduate majors)

1) Describe how this revision will impact enrollment and degrees awarded.

No impact

2) Estimated Annual Number of Degrees Awarded

Year 1: 3

Year 5 (or when fully implemented): 3

3) What is the matriculation term for this program? Fall OR Spring/summer/other

BUDGET

1) Please describe any budgetary implications for this revision- addressing applicable personnel, facilities, technology and supply costs. No impact to unit.

2) Will the revision require staffing (faculty, advisors, etc.) beyond what is currently available? No

3) Please provide any additional budget information needed to effectively evaluate the proposal.
None

FINANCIAL RESOURCES

1) How does the unit intend to financially support this proposal? N/A

2) Will the unit need to seek campus or other external resources? If yes, please provide a summary of the sources and an indication of the approved support. No

3) What tuition rate do you expect to charge for this program? e.g, Undergraduate Base Tuition, or Engineering Differential, or Social Work Online (no dollar amounts necessary) (degrees, majors, concentrations ONLY) *If this program requires a tuition or differential change, initiate a discussion with the LAS curricula contact, LAS budget officer, and LAS Associate Dean.*
Graduate base rate

4) Are you seeking a change in the tuition rate or differential for this program Y/N? If yes, please explain. No

RESOURCE IMPLICATIONS

1) Facilities- Will the program require new or additional facilities or significant improvements to already existing facilities? If yes, please outline the specific need and Year 1 and Year 5 cost.
No

2) Technology- Will the program need additional technology beyond what is currently available for the unit? If yes, please outline the specific need and Year 1 and Year 5 cost.
No

3) Non-Technical Resources- Will the program require additional supplies, services or equipment (non-technical)? If yes, please outline the specific need and Year 1 and Year 5 cost.
No

RESOURCES

For each of these items, be sure to include in the response if the change will result in replacement of another program(s). If so, which program(s), what is the anticipated impact on faculty, students, and instructional resources? ***Please attach any letters of support/acknowledgement from faculty, students, and/or other impacted units as appropriate.***

1) Faculty Resources: Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.
No impact

2) Library Resources: Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.
Current collections and services are adequate for the proposed program.

ACADEMIC CATALOG ENTRY

1) All academic catalog entries contain 2 tabs: *Overview* and *Degree Requirements*. All proposal revisions will include updates to the *Degree Requirements* tab- which notes the major requirements (courses, hours) for the proposed curricula. Please see the University of Illinois Academic Catalog- http://catalog.illinois.edu/ for your unit for an example of the entry. Below, provide the updated degree requirements, using the current entry as a model.

1.A) DEGREE REQUIREMENTS-

for the degree of Doctor of Philosophy in Geology

Ph.D. students are evaluated by two oral examinations: a preliminary examination, and a final examination. The objectives of the Preliminary Examination are to determine if the student is prepared to carry out original research at the Ph.D. level, the topic and scope of the proposed dissertation are appropriate, and if the student can communicate clearly. The final examination determines whether or not the dissertation and the student's defense of the research are of acceptable quality for the Ph.D.

For additional details and requirements refer to the department's Graduate Degree Programs and the Graduate College Handbook.

Entering with approved M.S. degree

Course List

Code	Title	Hours
Formal Coursework (must include 4 hours of electives outside Geology)		16
GEOL 599	Thesis Research (44 min applied toward degree)	48
Total Hours		64

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Minimum Hours Overall Required Within the Unit:	9
Minimum 500-level Hours Required Overall:	12
Each student must present a colloquium on the dissertation research	
Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes
All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.	

Entering with approved B.S. degree

Course List

Code	Title	Hours
Formal Coursework (must include 4 hours of electives outside Geology)		24
GEOL 599	Thesis Research (48 min applied toward degree)	72
Total Hours		96

Other Requirements

Grad Other Degree Requirements

Requirement	Description
Other requirements may overlap	
Minimum Hours Overall Required Within the Unit:	9
Minimum 500-level Hours Required Overall:	12
Each student must present a colloquium on the dissertation research	
Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes
All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.	

1.B) If updates are needed for the Overview tab, please include those here-

Ph.D. students are evaluated by two oral examinations: a preliminary examination, and a final examination. The objectives of the Preliminary Examination are to determine if the student is prepared to carry out original research at the Ph.D. level, the topic and scope of the proposed dissertation are appropriate, and if the student can communicate clearly. The final examination determines whether or not the dissertation and the student's defense of the research are of acceptable quality for the Ph.D.

Also change Admission information to:

Admission

The admission requirements of the Graduate College apply. Completion of at least one year each of study in college-level calculus, chemistry, and physics. For more information, write to the holben@illinois.edu. Under special circumstances, students can be admitted at the beginning of the spring term.

2) Include a comparative table of the current and proposed requirements.

Comparative Table of Proposed Changes

Current Requirements	Current Hours	Proposed Requirements	Proposed Hours
Entering w/ approved MS:		**Entering w/ approved MS:**	
Minimum formal coursework (must include 4 hours of electives outside Geology)	32	Minimum formal coursework (must include 4 hours of electives outside Geology)	16
GEOL 599 Thesis Research (32 min applied toward degree)	32	GEOL 599 Thesis Research (44 min applied toward degree)	48
Total Hours	64	Total Hours	64
Other Requirements		**Other Requirements**	
Other requirements may overlap		Other requirements may overlap	
Minimum Hours Overall Required Within the Unit:	12	Minimum Hours Overall Required Within the Unit:	9
Minimum 500-level Hours Required Overall:	20	Minimum 500-level Hours Required overall	12
Each Student must present a colloquium on the dissertation research		Each Student must present a colloquium on the dissertation research	
Qualifying Exam Required	Yes		
Preliminary Exam Required	Yes	Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes	Final Exam/Dissertation Defense Required	Yes
All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.		All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.	
Entering w/ approved BS:		**Entering w/ approved BS:**	
Minimum formal coursework (must include 4 hours of electives outside Geology)	40	Minimum formal coursework (must include 4 hours of electives outside Geology)	24
GEOL 599 Thesis Research (32 min applied toward degree)	32	GEOL 599 Thesis Research (48 min applied toward degree)	72
Total Hours	96	**Total Hours**	96
Other Requirements		**Other Requirements**	

Other requirements may overlap		Other requirements may overlap	
Minimum Hours Overall Required Within Unit:	12	Minimum Hours Overall Required Within Unit:	9
Minimum 500-level Hours Required Overall:	20	Minimum 500-level Hours Required Overall:	12
Each student must present a colloquium on the dissertation research		Each student must present a colloquium on the dissertation research	
Qualifying Exam Required	Yes		
Preliminary Exam Required	Yes	Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes	Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes	Dissertation Deposit Required	Yes
All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.		All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.	

Geology PhD

Comparative Table of Proposed Changes

Current Requirements	Current Hours	Proposed Requirements	Proposed Hours
Entering w/ approved MS:		**Entering w/ approved MS:**	
Minimum formal coursework (must include 4 hours of electives outside Geology)	32	Minimum formal coursework (must include 4 hours of electives outside Geology)	16
GEOL 599 Thesis Research (32 min applied toward degree)	32	GEOL 599 Thesis Research (44 min applied toward degree)	48
Total Hours	64	Total Hours	64
Other Requirements		**Other Requirements**	
Other requirements may overlap		Other requirements may overlap	
Minimum Hours Overall Required Within the Unit:	12	Minimum Hours Overall Required Within the Unit:	9
Minimum 500-level Hours Required Overall:	20	Minimum 500-level Hours Required overall	12
Each Student must present a colloquium on the dissertation research		Each Student must present a colloquium on the dissertation research	
Qualifying Exam Required	Yes		
Preliminary Exam Required	Yes	Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes	Final Exam/Dissertation Defense Required	Yes
All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.		All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.	
Entering w/ approved BS:		**Entering w/ approved BS:**	
Minimum formal coursework (must include 4 hours of electives outside Geology)	40	Minimum formal coursework (must include 4 hours of electives outside Geology)	24

GEOL 599 Thesis Research (32 min applied toward degree)	32	GEOL 599 Thesis Research (48 min applied toward degree)	72
Total Hours	96	**Total Hours**	96
Other Requirements		**Other Requirements**	
Other requirements may overlap		Other requirements may overlap	
Minimum Hours Overall Required Within Unit:	12	Minimum Hours Overall Required Within Unit:	9
Minimum 500-level Hours Required Overall:	20	Minimum 500-level Hours Required Overall:	12
Each student must present a colloquium on the dissertation research		Each student must present a colloquium on the dissertation research	
Qualifying Exam Required	Yes		
Preliminary Exam Required	Yes	Preliminary Exam Required	Yes
Final Exam/Dissertation Defense Required	Yes	Final Exam/Dissertation Defense Required	Yes
Dissertation Deposit Required	Yes	Dissertation Deposit Required	Yes
All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.		All students must maintain a minimum grade point average (GPA) of 3.0 (A = 4.0). If the GPA falls below this minimum after 12 or more graduate hours of graded coursework, it must be raised to 3.0 or above after the completion of 12 additional graduate hours of graded coursework and must be maintained at or above the minimum thereafter.	

Geology PhD
Degree Requirements Tab

for the degree of Doctor of Philosophy in Geology

Ph.D. students are evaluated by two oral examinations: a preliminary examination, and a final examination. The objectives of the Preliminary Examination are to determine if the student is prepared to carry out original research at the Ph.D. level, the topic and scope of the proposed dissertation are appropriate, and if the student can communicate clearly. The final examination determines whether or not the dissertation and the student's defense of the research are of acceptable quality for the Ph.D.

For additional details and requirements refer to the department's Graduate Degree Programs and the Graduate College Handbook.

Geology PhD

Overview Tab

Ph.D. students are evaluated by two oral examinations: a preliminary examination, and a final examination. The objectives of the Preliminary Examination are to determine if the student is prepared to carry out original research at the Ph.D. level, the topic and scope of the proposed dissertation are appropriate, and if the student can communicate clearly. The final examination determines whether or not the dissertation and the student's defense of the research are of acceptable quality for the Ph.D.

Also change Admission information to:

Admission

The admission requirements of the Graduate College apply. Completion of at least one year each of study in college-level calculus, chemistry, and physics. For more information, write to the holben@illinois.edu. Under special circumstances, students can be admitted at the beginning of the spring term.