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Information on the Professional Masters Program can be found HERE.

The department also offers specialized educational opportunities through Hydrogeology, GIS certification, and Petroleum Short courses.
1.0 APPLICATION PROCESS

1.1 Admissions Process and Criteria

1.1.1 Masters Degrees

The Department of Earth & Atmospheric Sciences offers a wide range of courses leading to the Degree of M.S. in Geology, M.S. in Geophysics, and M.S. in Atmospheric Sciences. Students are admitted to the masters programs on a competitive basis. At a minimum, an applicant to the masters program must have earned a Bachelor’s Degree or its equivalent (See section 2.1). Applicants to the program will be evaluated based upon their Grade Point Average (GPA), Graduate Record Exam (GRE) scores for exams taken in the last 5 years, and letters of recommendation that address the applicant’s ability to succeed in our graduate program. A GPA of 3.0 or better in the last 60 hours of undergraduate coursework and commensurate scores on the verbal, quantitative, and analytical writing sections of the GRE are minimal requirements to be considered for admission. All non-native English-speaking international students must take the TOEFL or the IELTS examination and receive scores of at least 79 or 6.5, respectively. In addition, the University requires scores in the writing component of these tests of at least 20 for the TOEFL and 5.5 for the IELTS even if the total score meets the minimum eligibility requirements. It is the policy of the EAS department to deny entrance of applicants to the thesis-based MS program if a faculty advisor has not agreed to supervise their thesis project; this is not applicable to non-thesis MS student applicants. This policy is in place to ensure that all admitted MS-thesis option students make adequate and efficient progress toward their degree from the start of their graduate degree plan. MS students wishing to pursue a PhD at the University of Houston after defending their thesis must apply to the PhD program as described in section 1.2, below.

1.1.2 Doctoral Degrees

Students are admitted to the doctoral programs on a competitive basis. At a minimum, an applicant to the doctoral program will have earned a Master’s degree or have completed 30 semester hours of graduate credit, and submitted scores from the General GRE examination (verbal, quantitative, and analytical writing). All non-native English-speaking international students must take the TOEFL or the IELTS examination and receive scores of at least 79 or 6.5, respectively. In addition, the University requires scores in the writing component of these tests of at least 20 for the TOEFL and 5.5 for the IELTS even if the total score meets the minimum eligibility requirements. Students with a Bachelor’s degree can apply directly to the Ph.D. program, though they must successfully complete thirty (30) semester credit hours in addition to the credit requirements for the Ph.D. degree (54 credit hours total; see details below). The GRE scores submitted must be from exam(s) taken in the last 5 years. The graduate advisors in geology, geophysics, and atmospheric science and the department chair will evaluate the credentials of each applicant for the Ph.D. program, considering a broad range of criteria, including:
a. Content of undergraduate, and if applicable, graduate programs and grades earned, particularly in the areas of Geosciences, Mathematics, Physics, Chemistry, and Biology.

b. Letters of recommendation from three (3) individuals (preferably faculty members), who are able to judge the candidate’s academic abilities and potential for scholarly research.

c. Scores earned on the General GRE test (and TOEFL test, where applicable).

d. Scientific, professional, and technical publications including a Master’s Thesis (if applicable).

It is the policy of the EAS department to deny entrance of applicants to the doctoral program if a faculty advisor has not agreed to supervise their dissertation project. This policy is in place to ensure that all admitted PhD students make adequate and efficient progress toward their degree from the start of their graduate degree plan.

1.2 Application Deadlines (Excluding the Professional Program)

- **Fall Semester Admissions: January 5.**

  *All applicants for regular MS and PHD programs should submit all required application materials by the deadline stated above.*

To apply, follow the instructions at:

[http://www.uh.edu/graduate-school/prospective-students/how-to-apply/](http://www.uh.edu/graduate-school/prospective-students/how-to-apply/)

For questions about the application process, please contact

**Jim Parker**, Academic Advisor I, jlparker9@uh.edu

Earth and Atmospheric Sciences
Rm. 312, SR1
University of Houston
Houston, Texas 77204-5007

1.3 Graduate Student Support

1.3.1 General Guidelines – Departmental support for graduate students includes Teaching Assistantships and Research Assistantships (see below). The duration of support and amount of funding is contingent on available resources. In accordance with University regulations, a student accepted into the program and offered Departmental support (e.g., Teaching Assistantship (TA) or Research Assistantship (RA)) may receive such support for up to 4 long semesters (2 years) for MS students and 10 long semesters (5
years) for doctoral students provided the student is deemed to be making adequate progress toward the degree, they are successfully performing their duties as a TA or RA, and such resources are available. Students must be registered as full time students and may not hold any additional employment while holding a TA or RA. Progress toward the degree will normally be measured in terms of course work (maintaining at least a B average), elimination of deficiencies, timely selection of a graduate committee, and completion of degree requirements within the specified time (see below). After the first year, progress will be evaluated and continued support will be granted on the basis of a favorable review. In addition, MS students receiving University support cannot switch to the Non-Thesis MS option.

1.3.2 Graduate Fellowships - Graduate fellowships provided by corporate sponsors are available to well qualified graduate students at both the masters and doctoral levels. Fellowships are awarded in a range of disciplinary areas within geology or geophysics. The amount, eligibility conditions, and benefits associated with each Fellowship vary. Applicants for Fellowships must be full time graduate students.

1.3.3 Teaching Assistantships (TA) - The Department of Earth & Atmospheric Sciences also provides support to well-qualified, full time graduate students in the form of teaching assistantships. Students devote up to 20 hours per week in instructional and related duties. Teaching Assistantships provide valuable teaching experience for those individuals who are considering an academic career. They also provide all students with opportunities to acquire and improve their communication skills. All full time graduate students are eligible to apply for Teaching Assistantships.

1.3.4 Research Assistantships (RA) – Individual EAS faculty may have research funding to support graduate students for sponsored research programs. Full time graduate students are encouraged to explore such research opportunities.

1.3.5 Graduate Students Seeking Industry-Supported Summer Internships/Permanent Employment - Graduate Internships are available to well-qualified graduate students at both the masters and doctoral levels. Houston is home to the largest concentration of geoscientists in the world and provides unique opportunities for interaction between university researchers and industry scientists. Internships can involve students working with departmental faculty and a corporate sponsor on a collaborative research project. Students carry out their research both on campus and in the sponsor’s laboratories to ensure access to a comprehensive set of analytical and computational facilities. A range of projects are currently available in both geology and geophysics. Students use internships to develop a fuller understanding of the scope of activities carried out by the corporate sponsor. The amount, eligibility conditions, and benefits associated with an internship will vary. Applicants for Internships must be full time graduate students who are either US citizens or permanent residents. Please visit the Resources page on the department website for a list of some opportunities for students as well as the link to the EAS Recruiting Application.
1.3.6 **Fellowships and Scholarships** – Students seeking support from Fellowships and Scholarships should review the opportunities on the department [website](#).

## 2.0 MASTERS PROGRAM

### 2.1 Background Requirements

Students applying for EAS M.S. programs are expected to have the necessary science and mathematics background appropriate to their discipline, as indicated below.

#### 2.1.1 MS in Geology -

Candidates for an M.S. degree in Geology should have successfully completed course work equivalent to the University of Houston's undergraduate [B.S. in Geology](#) program. These courses include:

- GEOL 1330 (Physical Geology)
- GEOL 3370 (Mineralogy)
- GEOL 3330 (Paleobiology)
- GEOL 3372 (Petrography)
- GEOL 3340 (Geologic Field Methods)
- GEOL 3350 (Stratigraphy)
- GEOL 3373 (Igneous/Metamorphic Petrogenesis)
- GEOL 3345 (Structural Geology)
- GEOL 3374 (Sedimentary Petrogenesis)
- GEOL 4330 (Introduction to Geophysics)
- GEOL 3355 and 3360 (Field Camp)

Allied required courses include:

- 3 semesters of Calculus
- 2 semesters of Calculus-based Physics
- 2 semesters of Chemistry.

Substitution of courses equivalent to those listed above as well as waivers of requirements will be considered on an individual basis. Applicants with a few deficiencies can satisfy those requirements while also taking graduate courses at the University of Houston. It is normally recommended that a student with 6 or more deficiency courses—e.g., those whose undergraduate degree was in another discipline—work toward a second undergraduate degree in Geology prior to graduate work.

#### 2.1.2 MS in Geophysics -

To ensure a common background for students in the Geophysics MS program, students should take or have successfully completed course work equivalent to the following courses:

- GEOL 1330 (Physical Geology)
- GEOL 1130 (Physical Geology Laboratory)
- GEOL 3373 (Mineralogy)
- GEOL 3340 (Geologic Field Methods)
- GEOL 3345 (Structural Geology)
- GEOL 4330 (Introduction to Geophysics)
- MATH 3331 (Differential Equations)
- MATH 3363 (Intro. to Partial Differential Equations)
- MATH 3364 (Intro. to Complex Analysis)

Substitution of courses equivalent to those listed above as well as waivers of requirements will be considered on an individual basis. Applicants with a few deficiencies can satisfy those requirements while also taking graduate courses at the University of Houston. It is normally recommended that a student with 6 or more deficiency courses, e.g., those whose undergraduate degree is in another discipline, consider working toward a second undergraduate degree in Geophysics prior to graduate work.

2.1.3 MS in Atmospheric Sciences - Candidates for an M.S. degree in Atmospheric Sciences are required to have the necessary background in Physics, Chemistry and Mathematics. Candidates need take the following courses or their equivalent.

- GEOL1302 (Introduction to Global Climate Change)
- GEOL1350 (Introduction to Meteorology)
- GEOL3378 (Principles of Atmospheric Science)
- GEOL3342 (Principles of Air Pollution)
- MATH3363 (Introduction to Partial Differential Equations)
- MATH2331 (Linear Algebra)
- MATH2433 (Calculus III)

Substitution of courses equivalent to those listed above as well as waivers of requirements will be considered on an individual basis. Applicants with a few deficiencies can satisfy those requirements while also taking graduate courses at the University of Houston. It is normally recommended that a student with 6 or more deficiency courses—e.g., those whose undergraduate degree was in another discipline—work toward a second undergraduate degree in Atmospheric Sciences prior to graduate work.

2.2 M.S. Thesis-Option Program Requirements

2.2.1 MS Thesis Option - A minimum of thirty (30) credit hours is required for the M.S. degree in Geology, the M.S. degree in Geophysics and the M.S. in Atmospheric Sciences, six (6) of which are thesis hours. Twenty one (21) hours must consist of 6000 level EAS courses (including 6 hours of thesis credit), and the remaining nine (9) hours can be selected approved courses outside the area of EAS, but relevant to the degree program. No more than 6 hours of approved 4000 or 3000 level courses and no more than 6 hours of special problems courses can be counted towards the required 30 hour minimum. A maximum of 6 semester hours of graduate level course work may be transferred from other institutions, with the approval of the relevant graduate advisor and provided that
they were taken as part of a graduate degree program, the grades are B or higher, and the courses were taken within the last 5 years.

2.2.1.1 Thesis Advisor/Committee - A formal thesis topic and thesis advisor must be chosen prior to the completion of 15 semester hours. The student and the advisor will together plan the remainder of the student’s course work. The 30 required hours are a minimum and, for a specific area of interest, it may be necessary for the student to complete additional course work. The initial selection of an advisor is not binding on the student or the faculty member. The student may change his/her thesis/dissertation advisor pending approval by the appropriate graduate advisor, but it is the responsibility of the student to review his/her degree plan and prepare for potential changes in university/faculty support with the new advisor. In addition, if the student has already formally proposed their project, they may have to present another thesis/dissertation proposal of their new project(s). A thesis committee composed of, at a minimum, two tenure track faculty members from the EAS department (one as the thesis advisor) and one member external to the department must be constituted at least one long semester (Fall, Spring, or Summer) prior to graduation from the University of Houston. Tenure track faculty members must comprise 50% or more of the committee.

2.2.1.2 Thesis Proposal - Students must present a thesis proposal. All full time students and students financially supported by the University must propose prior to the end of their second semester in the program (by the first Monday in November in the Fall semester, or the first Monday in April in the Spring semester). Scheduling of the thesis proposal is done by each applicant through the departmental Academic Advisor. Proposals (and re-proposals) can be scheduled Monday-Friday, with starting times between 8:00 a.m. and 4:00 p.m., during the Fall and Spring semesters. Proposals cannot be presented during Summer sessions, vacations, reading days, weekends, or final examination periods (nor over spring or inter-semester breaks). Two hours should be allocated for the thesis proposal presentation and questions. Proposals are preceded by the distribution of a 5 to 10 page (10 page suggested maximum for text) written description of the thesis project to the thesis committee. A one page abstract must be posted and distributed to all EAS faculty members at least seven calendar days prior to presentation and a copy of the full proposal filed with the departmental Advising Assistant at that time. The proposal abstract must contain the title, time and place of the proposal, and the names of the committee members. The thesis advisor and at least one other member of the committee must initial the abstract prior to posting, indicating that they approve of the presentation of the proposal. Upon successful presentation of the proposal, a copy of the complete proposal with the thesis advisor’s signature indicating approval must be placed in the student’s permanent academic file.

2.2.1.3 Thesis Defense - Upon completion of the research and the writing of a thesis deemed acceptable by the thesis committee, a defense of the thesis is scheduled by the student. A public defense of the complete thesis research will be presented to the faculty at large and may be attended by any other interested parties. An abstract, which lists the time and place of the defense, must be distributed to the department faculty and posted publicly at least seven calendar days prior to the scheduled
date. The thesis advisor and at least one other departmental committee member must initial the notice of defense, thus indicating that they approve of the defense. An unbound copy of the thesis draft, including all illustrations, must be made available in the departmental office at least seven calendar days prior to the defense date for inspection by the faculty of the Department of Earth & Atmospheric Sciences. M.S. defenses can be scheduled Monday-Friday during the Spring, Summer, and Fall semesters with starting times between 8:00 a.m. and 4:00 p.m. Defenses cannot be given during vacations, reading days, weekends, or final examination periods (nor over spring or inter-semester breaks). Scheduling of defenses is done through the departmental Advising Assistant. A vote to pass by a majority of the Thesis Committee is required for successful defense of the thesis.

2.2.1.4 Course Work - Upon completion of their program, students are expected to have breadth and a fundamental background in the essential elements of their chosen EAS discipline.

M.S. Geology - In order to insure breadth, each student is required to take at least one course from 3 of the 4 Graduate Course Work Categories. The categories are:

1. Igneous/Geochemistry (and Metamorphic Petrology)
2. Softrock (Sedimentary Geology)
3. Structure/Tectonics
4. Applied/Analytical

M.S. Geophysics - To provide a fundamental background in the essential elements of geophysics, all students are required to take the following 4 courses:

1. GEOL 7330 (Potential Field Methods of Geophysical Exploration)
2. GEOL 7341 (Geophysical Data Processing)
3. GEOL 7333 (Seismic Wave and Ray Theory)
4. GEOL 6397 (Rock Physics)

Students are encouraged to make their selections for other graduate courses after consultation with their thesis or graduate advisor.

M.S. Atmospheric Sciences - In order to insure breadth, each student is required to take at least one course from each of the three Atmospheric Sciences Graduate Core Categories:

1. Atmospheric Dynamics and Physics
2. Atmospheric Chemistry
3. Atmospheric Measurement and Modeling

2.3 M.S. Non-Thesis Option Program Requirements
2.3.1 Non-Thesis MS option – Students who are accepted into the non-thesis MS degree plan will not be required to complete a thesis, but must take additional coursework and complete a capstone research project in order to obtain the MS degree. These students do not have the option of changing their MS degree plan to the ‘thesis-option.’

Non-thesis M.S. students must complete 36 course credit hours for the degree. All courses must be formal courses (for example, research and seminar hours do not count toward this degree) in the EAS program. Thirty (30) hours must consist of 6000 level EAS courses, and the remaining 6 hours can be selected 4000 level (or above) courses or approved 3000 level (or above) course work in other departments. No more than six (6) undergraduate hours may come from EAS courses. A maximum of 6 semester hours of graduate level course work can be transferred from other institutions, provided they were taken as part of a graduate degree program, that the grades are B or higher, and that the courses were taken within the last 5 years. Non-thesis option students are required to complete a three hour capstone course.

2.3.2 Course Work - Upon completion of their program, students are expected to have breadth and a fundamental background in the essential elements of their chosen EAS discipline.

M.S. Geology Non-Thesis Option

In order to insure breadth, each student is required to take at least one course from 3 of the 4 Graduate Core Course Work Categories. The categories are:

1. Igneous/Geochemistry (and Metamorphic Petrology),
2. Softrock (Sedimentary Geology),
3. Structure/Tectonics, and
4. Applied/Analytical

M.S. Geophysics Non-Thesis Option

To provide a fundamental background in the essential elements of geophysics, all students are required to take the following 4 courses:

1. GEOL 7330 (Potential Field Methods of Geophysical Exploration)
2. GEOL 7341 (Geophysical Data Processing)
3. GEOL 7333 (Seismic Wave and Ray Theory)
4. GEOL 6397 (Rock Physics)

Students are encouraged to make their selections of the remaining graduate courses after consultation with their graduate advisor.
3.0 DOCTORAL DEGREE PROGRAMS

3.1 Program Requirements

The Doctorate of Philosophy degree signifies that the recipient has achieved broad knowledge of the discipline and demonstrated research competence meeting national standards through completion of an acceptable dissertation.

Doctoral students must have a minimum of one continuous academic year (two long semesters) as a full-time student, i.e., consisting of nine (9) hours of credit per semester. For PhD students who have an MS degree, a total of twenty four (24) hours, eighteen (18) hours of course work plus six (6) hours of dissertation credit, are the minimum required by the University for the Ph.D. degree. For students entering a PhD program straight from an undergraduate degree, fifty four (54) hours, twenty-four (24) of course work plus six (6) hours of dissertation credit are required in addition to the core course requirements listed in section 2.2.1.4; the remaining twenty four (24) hours can be coursework, independent study, or research hours. A student working on a dissertation must be continuously enrolled in a minimum of 3 hours of dissertation courses each Fall and Spring semester as well as their final semester. Full time supported doctoral students (e.g. TA's and RA's) must be continuously enrolled in a minimum of 9 semester hours each fall and spring semesters. Doctoral students supported over the summer must enroll in a minimum of 6 semester hours for the summer (*NOTE* Full-time status requirements for Summer semesters can change without notice. Please check with the appropriate graduate advisor for clarification).

3.2 Sequence and Timing Summary

Evaluation of application:

- Course deficiencies will be identified by the graduate advisors and communicated to the student in the admission letter (if applicable).

First year in program:

- All course requirements associated with deficiencies must be completed
- Establishment of Ph.D. Research Committee
- Initiation of research

Second year in program:

- Pass the PhD qualifying exam
- Presenting Research and Dissertation Proposals during the second year
- Completion of all (or most) formal course work
Third and successive years:

- Completion and defense of dissertation.

**3.2.1 Research Advisor/Research Committee** - Ph.D. applicants are encouraged to formulate their dissertation committee promptly in order to ensure proper guidance throughout their research. The dissertation committee will consist of a minimum of four members, must be chaired by a tenure-track faculty member of the Department of Earth & Atmospheric Sciences and have at least two other tenure-track EAS faculty members on the committee. One member external to the department with the appropriate credentials in EAS disciplines or related fields and the knowledge and skill sets necessary to evaluate the dissertation work will make up the 4th member of the graduate research committee. At least 50% of the committee must be tenure track Earth & Atmospheric Sciences faculty members. Additional faculty and/or appropriate off campus individuals may be a part of the committee. Any changes to the Dissertation Committee must be approved by the Dean’s office the long semester (Fall, Spring, or Summer) prior to defense of the dissertation.

**3.2.2 Candidacy** - To become a candidate for the doctoral degree a student must meet a set of requirements established by the Earth & Atmospheric Sciences Department. For all EAS doctoral aspirants there are two options available to attain candidacy. **It is the responsibility of the dissertation advisor** to notify the Academic Advisor and applicable graduate advisor which path to candidacy the graduate student will undertake by the end of the semester preceding the candidacy exam or paper submission (Candidacy Options 1 and 2, respectively. See below).

**Candidacy Option 1 – Oral Exam and Proposal.** A five member examining committee will administer a written exam, approximately 4 hours in length, given during the seventh to eighth week of each semester. It will test the breadth of the candidate’s knowledge within their sub-discipline, (i.e., Geology, Geophysics or Atmospheric Science). Approval by a majority of the members of the examining committee is required for the student to pass the examination. At the discretion of the examining committee, a student who fails the general examination can be permitted to re-take it; however, the exam can not be taken more than twice by the applicant. Re-examination will take place within one (1) month of the initial examination. The student must pass the Candidacy Examination before proceeding to the Dissertation Proposal. All candidacy and proposal requirements must be completed by the end of the 4th semester in the program.

**Candidacy Option 2 – Manuscript Submission and Proposal.** Submission of a manuscript to an approved peer-reviewed journal by the 6th week of the fourth semester in the program and approval of an oral and written Ph.D. proposal. Research work for the manuscript must have been completed at UH. This timing implies that the student is full-time and supported as a Research Assistant (RA) or Teaching Assistant (TA). In order to proceed along this pathway for the Ph.D., the advisor and research committee must agree that the candidate has produced a publishable manuscript capable of passing a rigorous
external peer-review for a scientific journal and has completed and successfully defended a research proposal. Faculty will provide a list of acceptable peer-reviewed journals or special issue publications. Prior to the presentation of the dissertation proposal, the manuscript must be submitted to a peer-reviewed journal. The oral proposal of the dissertation must be presented before the end of the 4th semester.

**3.2.3 Dissertation Proposal** - The oral dissertation proposal will be given during the semester in which the candidacy exam has been successfully completed (Candidacy Option 1) or the manuscript has been submitted to an approved peer-reviewed journal (i.e., before the end of the fourth semester) (Candidacy Option 2). Ph.D. proposals can take place Monday-Friday, with starting times between 8:00 a.m. and 4:00 p.m., during the Fall and Spring semesters. The proposal must be presented by the first Monday in November in the Fall semester, or the first Monday in April in the Spring semester. Proposals cannot be presented during Summer terms, vacations, reading days, weekends, or final examination periods (nor over spring or inter-semester breaks). Two hours should be allocated for the Dissertation Proposal presentation and questions.

Proposal presentations are preceded by the distribution of a research committee approved 5 to 10 page (10 page maximum for text) written description of the dissertation project. A one page abstract must be posted and distributed to all Faculty members at least seven calendar days prior to presentation and a copy of the full proposal filed with the departmental Academic Advisor at that time. The proposal abstract must contain the title, time and place of the proposal, and the names of the committee members. The dissertation advisor and at least one other member of the committee must initial the abstract prior to posting, thus indicating that they approve of the presentation of the proposal. The oral presentation, approximately 30 to 45 minutes long, will be followed by a period during which all present can ask questions of the student related to the suitability and feasibility of the project, as well as the student’s ability to perform the research. All faculty present can participate in the deliberations. All Earth & Atmospheric Sciences Faculty as well as other committee members present may vote on the success or failure of the student's performance in the Dissertation Proposal. Approval by a majority of those voting is needed to pass the proposal. Upon successful presentation of the Dissertation Proposal, the student will be granted Ph.D. Candidacy status. Upon successful presentation of the proposal, a copy of the complete proposal with the dissertation advisor’s signature indicating approval of the proposal as originally presented or modified must be placed in the student's permanent academic file.

The Examining Committee, at their discretion, can allow a student who failed the Dissertation Proposal to re-propose, this, however, can be done no more than once. The second presentation must take place within 30 calendar days of the initial presentation.

**3.2.4 Dissertation Defense** - A public oral defense of the complete dissertation research will be presented to the Faculty at large and may be attended by any other interested parties. Prior to defense of the dissertation, the student will submit at least one (1) completed manuscript, based on the dissertation research, to a peer-reviewed journal. This manuscript must have been judged publication-ready by the dissertation advisor and at
least one other faculty member on the dissertation committee prior to submission. For the
defense, an abstract, which lists the time and place of the defense, must be distributed to
the departmental faculty and posted publicly at least seven calendar days prior to the
scheduled date for the defense. The dissertation advisor and at least one other
departmental committee member must initial the notice of defense, indicating approval of
the defense. An unbound copy of the final draft of the dissertation, including all
illustrations, **must** be made available in the EAS departmental office at least seven calendar
days prior to the defense date for inspection by the faculty of the Department of Earth &
Atmospheric Sciences. Ph.D. defenses can be given Monday-Friday during the Fall, Spring,
and Summer semesters with starting times between 8:00 a.m. and 4:00 p.m. Defenses
cannot be given during vacations, reading days, weekends, or final examination periods
(nor over spring or inter-semester breaks). Scheduling of defenses is done through the
Advising Assistant. A positive vote by a majority of the Dissertation Committee is required
for successful defense of the dissertation. If the student does not complete and successfully
defend the Ph.D dissertation within five years after passing the Candidacy Examination,
retaking of the Candidacy Examination may be required. The format of the dissertation
must follow NSM guidelines. Questions pertaining to specific requirements should be
addressed to the appropriate Graduate Advisor.

**4.0 GRADUATE ADVISOR CONTACT INFORMATION**

**Thomas Lapen** – Geology graduate advisor – [tjlacen@uh.edu](mailto:tjlacen@uh.edu)

**Aibing Li** – Geophysics graduate advisor – [ali2@uh.edu](mailto:ali2@uh.edu)

**Xun Jiang** – Atmospheric Sciences graduate advisor - [xjiang7@uh.edu](mailto:xjiang7@uh.edu)

**Jim Parker** - academic Advisor - [jlpaker9@uh.edu](mailto:jlpaker9@uh.edu)