

SUNY Buffalo State

Great Lakes Environmental Science

Graduate Student Handbook

Guidelines for the Degree of

M.A. and M.S. in Great Lakes Environmental Science

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(Updated October 2025)*

This Handbook is designed to help students fulfill their responsibilities and to make steady progress toward completion of a Master's degree in Great Lakes Environmental Science (GLES) at Buffalo State. These requirements and procedures have been established by the Graduate Faculty of the Great Lakes Center and cooperating departments of Biology and Geosciences acting within guidelines set by the Graduate Studies Office. Students should consult the Graduate Catalog in effect when they entered the graduate program for other policies that may be applicable.

Graduate degree programs are characterized by the high level of student initiative and independence that is expected of graduate students in meeting program requirements, setting up meetings with their committees, or completing their research. Your faculty mentor or committee members should not be expected to remind you of approaching deadlines or requirements.

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Overview of the M.A and M.S. Degrees

Graduate degrees in Great Lakes Environmental Science are designed for those who desire advanced knowledge of the physical, chemical, biological, and social factors that comprise watershed and lake management, with a particular focus on problems and issues related to the management of natural resources within the Great Lakes and surrounding watersheds. It prepares students for research, professional employment, and/or study at the Ph.D. level. There are two options for the Great Lakes Environmental Science graduate degree:

1. an M.A. thesis degree requiring completion of an original scholarly research activity and coursework,
2. an M.S. internship degree requiring project management and communication strategies courses, an internship, and coursework.

M.A. in Great Lakes Environmental Science Program Outline

<i>Course</i>	<i>Credits</i>
Great Lakes Ecosystem Science (GLC 535)	3
Geographic Information Systems (GIS) (GEG 525 or GEG 528 or GEG 529)	3
Advanced Data Analysis (BIO 670 or equivalent)	3
General Graduate Electives (selected by advisement)	15
Thesis (GLC 695)	6
<i>Total Required Credits</i>	30

M.S. in Great Lakes Environmental Science Program Outline

<i>Course</i>	<i>Credits</i>
Great Lakes Ecosystem Science (GLC 535)	3
Geographic Information Systems (GIS) (GEG 525 or GEG 528 or GEG 529)	3
Advanced Data Analysis (BIO 670 or equivalent)	3
Project management: PSM 601 or MMT 620 or ECO 660	3
Communication Strategies: PSM 602 or COM 610	3
General Graduate Electives (selected by advisement)	12
Internship (GLC 688)	3
<i>Total Required Credits</i>	30

Funding

Huppuch Graduate Tuition Scholarship

The [Huppuch Graduate Tuition Scholarship](#) will support graduate student costs for attendance at Buffalo State University, to include tuition, books, and associated attendance fees. These awards are competitive but available to any thesis-track students in GLES. Students can apply at any time.

Qualification requirements for first-year graduate students:

1. Accepted into the GLES M.A. (thesis) program
2. Have a minimum GPA of 3.3 (on a 4-point scale) from their undergraduate institution

3. A Buffalo State University faculty letter of support
4. A description of research interests not to exceed one page single-spaced

Up to two scholarships, each totaling no more than \$12,000 per academic year, or up to \$6,000 per semester, will be awarded. Award recipients are eligible for a maximum of two awards over their graduate career. Students seeking an award in their second year must have at least 12 completed graduate credits in the Program, a 3.0 minimum graduate GPA, and successfully defended their thesis proposal. Applications are accepted at any time, but full consideration is given to complete applications received by April 1st for a fall semester entry.

Stevenson Environmental Education Award

The [Stevenson Environmental Education Award](#) is able to support graduate students needs for research supplies, travel to research sites, or conference travel and associated costs. Award requests are accepted anytime. Awards do not exceed \$1,000 per academic year.

Student Advisement

Arranging a course of study and/or designing a research project are complex tasks that the student carries out with the aid of a faculty advisor or committee. The GLES Program Coordinator normally serves as the advisor for M.S. internship students, whereas the research mentor serves as the advisor for M.A. thesis students. M.S. internship students can also request that another professor serve as their advisor. The advisement guidelines and expectations vary depending on the course of study and are described below.

Seminars

During the Fall and Spring semesters, the Great Lakes Center and Biology Department host a joint seminar series featuring local, regional, national, and international presenters who speak on a variety of topics. While not mandatory, it is strongly recommended that GLES students attend the seminars as they introduce students to organizations and topics they may have previously been unaware of, are an important resource for staying up to date on current scientific research being conducted, and may allow for networking opportunities.

Description of Graduate Programs in Great Lakes Environmental Science

I. The Thesis-Based M.A.

Advisement

Early in the application process M.A. students should identify a faculty mentor to supervise their research and serve as their Principal Advisor. The Principal Advisor must be identified by the end of a student's first semester and a [Principal Advisor Consent Form](#) must be completed and submitted to the Program Coordinator. A copy of this form is found at the end of this document.

The Principal Advisor should be consulted each semester before registering for courses. In addition, students select a thesis committee prior to the completion of their first semester of coursework (for full time students) or first year of coursework (for part time students). This committee will consist of three faculty members or two faculty and one adjunct faculty. One of these three individuals must be the student's Principal Advisor. Additional committee members may be selected at the discretion of the

student and the Principal Advisor and may include faculty, adjunct faculty, or qualified individuals from other institutions or agencies. As a general rule, keeping the committee at three simplifies arrangement of committee meetings and thesis discussions. Students must schedule a meeting with their committee at least once each semester to keep members abreast of progress and to avoid obstacles. The Principal Advisor should take minutes of the proceedings and distribute copies of the minutes to the Program Coordinator and the student. Finally, in order to demonstrate satisfactory progress on their degree, at the end of each spring semester, students must complete and submit a [GLES M.A. Progress and Evaluation Form](#) to the Program Coordinator. A copy of this form is found at the end of this document.

Coursework

The M.A. degree requires the completion of 30 credits of graduate coursework. Of these 30 credits, six credits will be in GLC 695 (Master's Thesis), nine will be in required courses, and the remaining 15 credits should be electives selected with assistance from the Principal Advisor.

The following specific regulations relate to coursework in the M.A. program:

- Students must take a minimum of 15 credits of 600/700-level coursework.
- In all graduate coursework, the student must maintain a minimum grade point average of 3.0 (B) on a 4-point scale, but cannot take more than 36 credits to achieve this average.
- Students earn no credit for any graduate course in which they receive less than a C. However, the grade will still count in the cumulative grade point average.

Full-time students making satisfactory progress toward completion of the M.A. degree shall meet the following minimum expectations:

1. Maintain a cumulative GPA of ≥ 3.0 (B) on a 4-point scale, earning no grade $< C$ for any graduate course,
2. Select a Principal Advisor during the first semester, and complete and submit the [Principal Advisor Consent Form](#),
3. Select a thesis committee prior to the end of the first semester,
4. Have thesis proposal approved and presented prior to the end of the second semester, and
5. Complete and submit a [GLES M.A. Progress and Evaluation Form](#) each spring semester.

Failure to maintain satisfactory progress toward completion of the M.A. will impact a student's eligibility for financial assistance.

Thesis Proposal

One of the features of the thesis-based M.A. is the central role of research. The thesis proposal outlines the research goals of the student and places the research in context of current knowledge. The proposal should be approved before research begins in earnest. Since graduate research often contributes to papers published in scientific journals, it is useful to keep in mind the goal of a publishable piece of work when proposing thesis research.

Your proposal should include a title page listing the members of the committee, an overview section (similar to an abstract), an introduction section which reviews the literature and places your investigation in some context (this section will also generally contain the goals or hypotheses directing your research), a description of the investigative procedures to be followed (i.e., a materials and methods section), including an outline of the statistical analyses to be used, a timeline, and a literature cited section.

The proposal should include sufficient detail for the committee to judge whether the investigation proposed is likely to yield answers to the questions posed and if it can be conducted within a reasonable amount of time using available resources. It is essential to include a timetable in the proposal, indicating when you expect to accomplish the various components of the investigation; this is especially important in projects involving fieldwork. You should carefully consider your experimental design. Replications may be required and the results should be analyzed statistically. The thesis committee may ask the student to specify the statistical analyses they plan to use. It also may be necessary to ascertain that all equipment needed is available and functional.

The proposal should be written with input from members of the committee. The student should circulate a rough draft among the committee members and get comments before submitting the final draft for the committee's approval. It is important that the proposal be written carefully, but with the realization that during the actual research the procedure followed may have to be altered. Remember that although the scientific problem to be addressed may be obvious to the student writing the proposal and their advisor, it needs to be made comprehensible to other members of the committee, to fellow graduate students, and to the faculty of the Great Lakes Center. The student will meet with their committee to discuss the proposal in detail prior to approval.

After the proposal has been approved by the committee, the substance of the proposal must be presented orally before the "public" (meaning faculty and other graduate students) as soon as possible. This oral presentation (the Thesis Proposal Seminar) should occur before you begin research in earnest. The seminar should be announced in advance by distributing and posting appropriate announcements. Although this may seem like an intimidating prospect, experience has shown that the most successful investigations are those that have benefited from substantial constructive criticism during the planning stages. Careful preparation of the proposal and a public presentation of the proposal are good investments toward a successful thesis.

M.A. students should plan to complete the proposal and proposal presentation prior to completion of 12 graduate credits (generally in your second semester of study). You can register for three credits of GLC 695 (Master's Thesis) while you are working on your proposal (an IP, In Progress, grade will be given until the thesis is complete). In order for the Program Coordinator to approve registration for the remaining three credits or the full six credits of GLC 695 (Master's Thesis), the written thesis proposal must be approved by your committee, and you must also have presented your Thesis Proposal Seminar.

Thesis credits are enrolled using an [Individual Graduate Study Application](#) form (found at the back of this handbook or at [Forms | Graduate Studies | SUNY Buffalo State](#)). Thesis credit hours do not appear in the course selection guide each semester when it is time to enroll. This is because each and every thesis credit course has a unique CRN number for the student taking the credits. Thus, the stand-alone form is needed. This form needs to be first filled in by the student, then signed by their major advisor, then by the GLC Coordinator or Director.

Completing and Defending Your Thesis

Your Principal Advisor will work with you to revise your thesis to a point. When your Principal Advisor is satisfied with the revised draft, the student will provide an electronic copy of the draft thesis to the committee for their comments. It is customary to allow the committee two weeks to review and comment on this draft before meeting together with the student to discuss the thesis ***prior to scheduling the thesis defense seminar*** at a mutually agreed upon day and time.

The thesis defense seminar serves two functions: 1) to allow the student to present their research work to a larger audience for evaluation and 2) to allow the committee an opportunity to evaluate the depth

of understanding the student has concerning their completed research topic. The thesis defense seminar must be announced by notices posted in the hallways of participating departments at least one week before the defense and an electronic copy of the notice will be sent to the Program Coordinator for distribution to faculty members. During the thesis defense seminar, the student is expected to report the results of their research and to demonstrate command of appropriate related material. Immediately following the thesis defense seminar, the committee will meet briefly with the student for a final evaluation of the thesis. The student is then asked to leave the room while the committee deliberates and then announces the committee's decision (either pass or fail) to the student. At this point, the committee may ask for additional, minor revisions to the thesis, or, if the completed thesis does not meet with the committee's approval, then a mutually agreed upon plan of additional research or more extensive revisions must be decided upon, or approval. If further research is needed, a new thesis defense will need to be scheduled.

Writing of the thesis must follow the format established by the Graduate Studies Office. Copies of the current format guidelines are available in the Great Lakes Center or the [Graduate Studies Office website](#). Completion of the thesis work is not finished until the thesis is submitted digitally through the E.H. Butler Library Digital Commons portal and approved by the department chair/director. There are strict guidelines on how the thesis must be formatted and when and who must sign and approve the thesis. The timetable for getting theses completed must be followed closely. All formatting and procedural guidelines for submitting theses to Digital Commons can be found on the Graduate Studies Office website.

A brief timetable is included here, but BE SURE TO CHECK WITH GRADUATE STUDIES for any updates on formatting or procedural changes.

Activity	Due Date
Register for thesis credit: register for scheduled course or if no course is scheduled, submit Individual Study Application along with thesis proposal to the Registrar's Office by due date	See Academic Calendar for registration dates or Individual Study Application submission deadline for the semester you wish to register
Drafts to thesis committee	As per committee suggestions
Oral defense and thesis to committee	7 weeks before thesis due date of semester you wish to graduate or complete thesis
Make and submit edits of thesis to committee	As soon as possible, if needed
Thesis approved by the committee	2 weeks before thesis due date of semester you wish to graduate or complete thesis
Submit approved thesis to Digital Commons following formatting and submission guidelines set forth by Graduate Studies	Thesis Deadline – see Academic Calendar of semester you wish to graduate or complete thesis

Checklist of M.A. Requirements

- ☐ Completion of 30 credits of graduate work, but no more than 36 credits, with a cumulative GPA of ≥ 3.0 .
- ☐ Completion and submission of the **Principal Advisor Consent Form**.
- ☐ Completion and submission of the **GLS M.A. Progress and Evaluation Form** each spring semester.
- ☐ Presentation of thesis proposal seminar and proposal approval by the thesis committee.
- ☐ Completion of thesis.
- ☐ Thesis accepted by thesis committee and the presentation of a thesis defense seminar.
- ☐ Thesis submitted to Digital Commons according to the submission and formatting guidelines set forth by Graduate Studies.

Example Timetable

All students are different. They enter the M.A. program with different levels of preparation and they tackle theses of different levels of complexity. Consequently, students will progress toward degree completion at somewhat different rates. However, students should be able to finish their coursework and thesis in two years of full time study with proper planning. With this in mind, the following timetable could be used as a guideline:

1. Fall Semester
 - a. Coursework: GLC 535, GEG 525/528/529 (take one), and 3 credits of 500/600-level electives, as well as any courses needed to complete deficiencies.
 - b. Select a general area of research and begin to identify potential thesis topics. Select and meet with thesis committee.
2. Spring Semester
 - a. Coursework: BIO 670, and 6 credits of 500/600-level electives.
 - b. Prepare and submit thesis proposal to committee. Make oral presentation of proposal. Conduct any preliminary research needed.
3. Summer
 - a. Perform research.
4. Fall Semester
 - a. Coursework: 3-6 credits of 500/600-level electives.
 - b. Continue research.
5. Spring Semester
 - a. Coursework: 6 credits of GLC 695 (Master's Thesis).
 - b. Complete thesis and present thesis defense seminar.
 - c. File Application for Graduation (Note deadline on the Graduate Studies Office website) and submit thesis to Digital Commons.

II. The Internship-based Professional Science Master's M.S.

Advisement

M.S. students must identify a Principal Advisor by the end of their first semester. A [Principal Advisor Consent Form](#) must be completed and submitted to the Program Coordinator. A copy of this form is

found at the end of this document. The Principal Advisor must be consulted each semester before registering for courses and they will aid in the coordination of the student's internship.

The student must take either PSM 601 or 602 by the end of the second semester in order to be eligible to take GLC 688 (Internship) in a timely fashion. In order to demonstrate satisfactory progress on their degree, at the end of each spring semester, students must complete and submit a [GLES M.S. Progress and Evaluation Form](#) to the Program Coordinator. A copy of this form is found at the end of this document.

Coursework

The M.S. requires the completion of 30 credits of graduate coursework. Of these, six will be project management and communication strategies, three will be in GLC 688 (Internship), nine will be in required courses, and the remaining 12 credits should be electives selected with assistance from the Principal Advisor.

The following specific regulations relate to coursework in the M.S. program:

- Students must take a minimum of 15 credits of 600/700-level coursework.
- In all graduate coursework, the student must maintain a minimum grade point average of 3.0 (B) on a 4-point scale, but cannot take more than 36 credits to achieve this average.
- Students earn no credit for any graduate course in which they receive less than a C. However, the grade will still count in the cumulative grade point average.

Full-time students making satisfactory progress toward completion of the M.S. degree shall meet the following minimum expectations:

1. Maintain a cumulative GPA of ≥ 3.0 (B) on a 4-point scale, earning no grade $< C$ for any graduate course,
2. Select a Principal Advisor during the first semester, and complete and submit the [Principal Advisor Consent Form](#),
3. Take either PSM 601 or 602 by the end of the second semester,
4. Completion of an Internship Learning Agreement form (ILA) prior to registering for GLC 688 (Internship), and
5. Complete and submit a [GLES M.S. Progress and Evaluation Form](#) each spring semester.

Internship and Courses

The M.S. combines coursework in environmental science with project management and communication strategies courses, and an internship experience. The purpose of the internship is threefold: 1) it allows the student to apply knowledge gained in their program to real-world problems in a professional setting; 2) it acquaints the student with the specialized resources of various external organizations; and 3) it assists the student in understanding the nature of employment activities in offices/agencies that employ environmental scientists.

Arranging the Internship

Students are expected to take GLC 688 (Internship) in the second year of their program upon completion of either PSM 601 or PSM 602. The Principal Advisor will assist in the coordination of the student's internship, but it is ultimately the student's responsibility to obtain an internship position. In addition to the Principal Advisor, the Program Coordinator and the PSM Advisory Board can help a student identify internship opportunities. The PSM Advisory Board currently includes members from the following

agencies: Buffalo Niagara Waterkeeper, Ecology and Environment, Inc., Erie County Department of Environment and Planning, NYS Department of Environmental Conservation, US Army Corps of Engineers, US Department of Agriculture, US Fish and Wildlife Service, WNY PRISM, and others. Members of the Advisory Board will meet on campus at least once per year and students will be invited to these meetings. ***These meetings are excellent networking opportunities and students are strongly encouraged to attend each meeting.*** Students should also look for internships using the Buffalo State Career and Professional Education Center (CAPE) Bengallink service. An [Internship Learning Agreement \(ILA\)](#) must be completed prior to starting an internship. The ILA outlines the duties that must be completed during the internship and it is completed by the student, the internship Site Supervisor, and the Program Coordinator. ***Before the Program Coordinator will approve registration for GLC 688 (Internship), the ILA must be completed by the Program Coordinator, the internship site supervisor, and the student.*** In addition to the ILA form (attached at the end of this handbook), students must enroll in GLC 688 using a [Course-by-Contract](#) form ([Forms | Graduate Studies | SUNY Buffalo State](#)). This form needs to be filled in by the student, then the major advisor or Coordinator, then the Director of the Great Lakes Center. A copy of this form is found at the end of this document.

Completing the Internship

A student must complete 135 hours of work at the internship agency to earn the required three credits for GLC 688 (Internship). The student's grade will be based upon the successful completion of the internship duties listed in ILA; a daily journal/log kept by the student; a research project paper on a Great Lakes environmental science topic addressed during the internship experience (10-20 pages); a paper that demonstrates the application of communication or project management course fundamentals on their internship project (2-3 pages); and the Site Supervisor's evaluation.

Your research paper should include a title page listing the title of your project, the internship site agency, and the names of your internship site supervisor and Principal Advisor. An introduction section will include the research goal(s)/objective(s) and place your research in context of current knowledge. The citation of academic, peer-reviewed literature is expected, although the use of various agency guidelines and literature also is acceptable. A methods section must explain how you approached your research goal(s)/objective(s). A results and conclusions section must demonstrate that you synthesized the data collected in an effective and creative manner as to address the research question. Lastly, you must include a literature cited section.

Your paper that demonstrates the application of professional communication or project management course fundamentals on the internship project must articulate the internship company/agency mission and goals of internship. The paper must also address how the GLEES professional science coursework contributed to your internship experience. In particular, the following must be addressed, if applicable:

- Students must demonstrate the application of project management methods (e.g., management of project integration, scope, time, cost, human resources, communication, and risk), team management, and team dynamics, and
- The application of strategies for effective communication strategies in business and technical communications. This may include sending and interpreting verbal and nonverbal messages; recognizing cultural differences; communicating about data and projects via written progress reports, formal scientific written communications, operations and procedures manuals, and/or letters/memos.

Students must take either PSM 601 or 602 prior to completing an internship; therefore, they are only expected to demonstrate knowledge of the course material that they have completed.

Checklist of M.S. Requirements

- ☐ Completion of 30 credits of graduate work, but no more than 36 credits, with a cumulative GPA of ≥ 3.0 .
- ☐ Completion and submission of the **Principal Advisor Consent form**.
- ☐ Completion and submission of the **GLS M.S. Progress & Evaluation form** each spring semester.
- ☐ Completion of PSM 601 and 602 (or equivalent) courses.
- ☐ Identification of internship site location and supervisor.
- ☐ Completion of ILA followed by completion of internship duties and hours.
- ☐ Completion of research paper, completion of the paper that demonstrates the application of professional science fundamentals on the internship project, and submission of these items to Principal Advisor/Program Coordinator.

Example Timetable

Students will progress toward degree completion at somewhat different rates. However, students should be able to finish their course work and internship in two years of full time study with proper planning. With this in mind, the following timetable could be used as a guideline:

1. Fall Semester
 - a. Coursework: GLC 535, GEG 525/528/529 (take one), and PSM 601, as well as any courses needed to complete deficiencies.
 - b. Select and meet with Principal Advisor.
2. Spring Semester
 - a. Coursework: BIO 670, PSM 602, and 3 credits of 500/600-level electives.
 - b. Select a general area of interest and begin to identify potential internship opportunities.
3. Fall Semester
 - a. Coursework: 9 credits of 500/600-level electives.
4. Spring Semester
 - a. Coursework: GLC 688 (Internship).
 - b. File Application for Graduation (Note deadline on the Graduate Studies website).

This timetable is just a guideline. For example, internships can be taken in any term AFTER at least 1 PSM course has been completed.

Final Notes

Satisfactory Degree Progress

Satisfactory progress toward completion of your degree requires you to maintain a cumulative GPA of ≥ 3.0 (B) on a 4-point scale, earning no grade $< C$ for any graduate course, as well as the items outlined above for both the M.A. and M.S. degrees. Should a student fall below a 3.0 in their coursework, they will have 1 semester (if full time) or until 9 credits are completed if part-time, to bring their cumulative GPA up to a 3.0. Students must also obtain at least a 3.0 in every semester in which they are attempting

to bring their cumulative GPA up to the required 3.0. Failure to obtain at least a 3.0 in each semester or failure to reach the cumulative 3.0 in one semester (or 9 credits if part-time) will be grounds for dismissal.

Research Involving Human or Animal Subjects

If research involves the use of vertebrate animals or human subjects, campus-level approval is required. Research involving human subjects (including survey research) requires review at the departmental level and may require review through the Institutional Review Board on campus. Approval should be sought PRIOR to undertaking the investigation. Information on [research involving human subjects](#) and all forms are available through the Research Foundation website. Research requiring the handling or care of vertebrate animals requires review by the Institutional Animal Care and Use Committee (IACUC). Information and forms related to [vertebrate research](#) are found on the Research Foundation website.

Approval for animal or human subject research is required before a thesis proposal is approved. This means you will need to have your IACUC permit on file with your advisor at the proposal stage. The Program Coordinator will not sign off on a thesis without the necessary IACUC or human subject's approval.

The Lighter Side

Graduate school is an important steppingstone in your career and a time of great academic learning and freedom. You will undertake a wide variety of specialized courses, read many research papers and possibly undertake a research project that is entirely your own. You should value the time that you think long and hard about specific questions and ponder how best to investigate them. You will be challenged in many new ways and will (hopefully) develop a surprising level of commitment and pride in your academic accomplishments. You will join a group of graduate students who are motivated by similar questions and experiences and who also thirst for knowledge on their topic. Hopefully, that similarity in purpose leads to further scientific interaction as you practice seminars, discuss papers, take classes, or work together. Your time invested during this important stage in your life will help build your peer family here at Buffalo State and help guide your future decisions. Although the Great Lakes Center expects high quality learning and research from its students, you should also have fun while you are here. Upon completion you will enter the ranks of valued graduate alumni, so please keep us informed of your success by calling the Great Lakes Center office (716-878-4329) or emailing your Principal Advisor. Good Luck!

Forms

[Principal Advisor Consent Form](#)

[GLES M.A. Progress and Evaluation Form](#)

[GLES M.S. Progress and Evaluation Form](#)

[Independent Study, Course by Contract, Master's Project or Thesis Application](#)

[Internship Learning Agreement Form](#)



BUFFALO STATE
The State University of New York

Great Lakes Environmental Science Programs

Principal Advisor Consent Form

The principal adviser is responsible for working closely with a Great Lakes Environmental Science (GLES) student throughout their program of study. For information regarding the GLES admission requirements, program requirements, policies, etc., visit <https://greatlakescenter.buffalostate.edu/graduate-programs>.

Students are expected to identify a principal adviser during their first semester at Buffalo State. To be eligible to serve as a principal adviser faculty must have graduate faculty status. For a listing of faculty with graduate faculty status, visit <https://ecatalog.buffalostate.edu/graduate/faculty/>.

The following information must be completed by the principal adviser and submitted to the Great Lakes Center office, Science and Mathematics Complex, room 319.

Student's Name _____ Banner ID# _____
(Please Print)

Principal Adviser Consent

I will serve as principal adviser for the above student.

Faculty Name (Please Print)

Department and Office Address

Faculty Signature

Degree Program (check one): ☐ Master of Art (Thesis) ☐ Master of Science (Internship)



BUFFALO STATE
The State University of New York

Great Lakes Environmental Science Programs

GLS M.A. Progress and Evaluation Form

Current Semester: _____

Student Name: _____

Semester of Admission into the Program: _____

Principal Advisor's Name: _____

Names of Committee Members: _____

Committee Meetings Dates:

First Semester Date: _____

Second Semester Date: _____

Third Semester Date: _____

Fourth Semester Date: _____

Other Semesters Dates: _____

Thesis Work Status:

Proposal (to be submitted and presented
BEFORE end of second semester):

Submitted to Committee Date:

Presented to Committee Date:

Proposal Oral Presentation Date:

Approved by Committee Date

Research Work:

Initiation of Thesis Research Date: _____

Written Thesis and Defense:

Submission of First Draft of Thesis to Advisor Date:

Submission of Draft to Committee Members Date:

Oral Thesis Presentation Date:

Approval of Final Draft by Committee Date:

Submission of Written Thesis to Graduate Studies Date:

OFFICE USE ONLY

Electronic Submission of Thesis to Graduate Studies and Department Date: _____



BUFFALO STATE
The State University of New York

Great Lakes Environmental Science Programs GLES

M.S. Progress and Evaluation Form

Current Semester: _____

Student Name: _____

Semester of Admission into the Program: _____

Principal Advisor's Name: _____

Meetings with Principal Advisor Dates:

First Semester Date: _____

Second Semester Date: _____

Third Semester Date: _____

Fourth Semester Date: _____

Other Semesters Dates: _____

Completion of Science Professional Courses Dates:

PSM 601 Date: _____

PSM 602 Date: _____

Internship Work Status:

Identification of Internship Site and Supervisor Date: _____

Internship Learning Agreement Completion Date: _____

Internship Start Date: _____

Completion of Internship Hours Date: _____

Submission of Research Paper and Self Evaluation to
Principal Advisor/Program Coordinator Date: _____

Internship Location and Site Supervisor: _____

Program Coordinator Evaluation of Internship (with Site Supervisor input):

☐ Satisfactory

☐ Unsatisfactory

Buffalo State – State University of New York

Individual Graduate Study Application

Directions:

1. Student to complete Parts A and B. **(PLEASE USE BLACK PEN.)**
2. Confirm eligibility with advisor and obtain signatures of Instructor and Chairperson (Part C).
3. Return the completed and approved application and paragraph description to the appropriate School Dean of registered course by the Individual Study Application deadline. See academic calendar: <http://suny.buffalostate.edu/academic-calendar>. Retain a copy for your records.
4. Payment: If registration for course occurs after deadline and is not included on your bill, contact Student Accounts for payment information. Failure to do so may result in late fees being assessed.

Part A:

Semester/year:	☐ Fall	☐ J-term*	☐ Spring	Sum ☐ ES, ☐ LS, ☐ VS (check summer session)	20	Major:	
Name:							Banner:
	<i>Last</i>	<i>First</i>	<i>Middle</i>				
Local Address:							
	<i>Street</i>		<i>City</i>		<i>State</i>	<i>Zip</i>	
Phone Number:			Email Address:				
Student Signature:						Date:	

Part B:

☐ Independent Study*		590		
*see below	<i>Department Prefix</i>		<i>Credit Hours</i>	<i>Course Title</i>
MODALITY:	☐ Hybrid	☐ Hybrid-Plus	☐ Online Asynchronous	☐ Online Synchronous ☐ Traditional
☐ Master's Project*		690		
*see below	<i>Department Prefix</i>		<i>Credit Hours</i>	<i>Course Title</i>
☐ Master's Thesis*		695 or 795		
*see below	<i>Department Prefix</i>	(circle 695/795)	<i>Credit Hours</i>	<i>Course Title</i>
☐ Course by Contract				
	<i>Department Prefix</i>	<i>Catalog ###</i>	<i>Credit Hours</i>	<i>Course Title</i>

***Student MUST attach a one-paragraph description of the proposed course including purpose, specific objectives, course outcomes (e.g. research paper) and how it will be evaluated.**

Part C:

			B
<i>Instructor's Name</i>	<i>Instructor's Signature</i>	<i>Date</i>	<i>Inst. Banner #</i>
<i>Department Chair's Name</i>	<i>Chair's Signature</i>	<i>Date</i>	
<i>Academic Dean's Name</i>	<i>Dean's Signature</i>	<i>Date</i>	

INTERNSHIP LEARNING AGREEMENT (ILA) for GLC 688

Please return this form to: Dr. Chris Pennuto pennutcm@buffalostate.edu, 878-4105 (office) prior to start of student's internship.

1. INTERNSHIP SITE SUPERVISOR

(This section must be completed and signed by the Site Supervisor or appropriate Site Representative):

Site Supervisor Name _____ Phone _____

Title/Dept. _____ Email _____

Company Name _____ Fax _____

Address _____

SITE SUPERVISOR RESPONSIBILITIES

Our academic institution greatly appreciates your participation in our internship program. Your role is integral to the student's internship experience and success.

As a site supervisor for this internship, I agree to

- clearly discuss the requirements of the internship with the student intern;
- work with the student to complete on-site goals, duties and learning objectives;
- work with the student to identify a research project on a Great Lakes environmental science topic to be addressed during the internship experience;
- provide ongoing supervision and feedback to the student on their performance;
- talk with the Faculty Internship Supervisor and/or meet with their during a site visit;
- complete an evaluation of the student's performance that summarizes the student's work and recommends a grade.

Site Supervisor Signature: _____ **Date:** _____

Internship Description and List of Duties (Please include specific intern duties or indicate approval of duties already listed below.)

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Please add additional duties as appropriate:

2. STUDENT INTERN

Name _____ Major _____
Phone _____ Cell Phone _____
Email _____ Term/year in which you are seeking credit: _____

Important Reminders:

1. The Faculty Internship Supervisor is the ONLY person who can give initial approval of an internship for academic credit.
2. To ensure proper internship credit, the ILA MUST be completed and signed by the Student, Site Supervisor and Faculty Internship Supervisor.
3. In order to register for an internship, the following prerequisites must be met:

Prerequisites for GLC 688

- PSM 601 or 602
- background of courses or experience within area of interest
- minimum cumulative GPA of 3.0

STUDENT INTERN RESPONSIBILITIES

As a student seeking credit for an internship experience, I agree to

- obtain proper approval from my Faculty Internship Supervisor;
- complete the Internship Learning Agreement and submit it to the Faculty Internship Supervisor in a timely fashion;
- perform to the best of my ability those tasks assigned by my Site Supervisor which are related to my learning objectives and to the responsibilities of this position;
- follow all the rules, regulations and normal requirements of the internship site;
- complete the academic requirements, including completing a research project paper on a Great Lakes environmental science topic addressed during the internship, outlined in this ILA under the guidance of my Faculty Internship Supervisor;
- notify the Site Supervisor and the Faculty Internship Supervisor of any changes I need to make in this agreement or of any problems that may develop during the on-the- job experience.

Student Signature: _____ **Date:** _____

3. FACULTY INTERNSHIP SUPERVISOR

(This section must be completed and signed by the Faculty Internship Supervisor or designated departmental representative):

Faculty Internship Supervisor Name _____

Affiliation/Department _____

Address _____

Phone _____ Email _____

FACULTY INTERNSHIP SUPERVISOR RESPONSIBILITIES

Academic Criteria: See the department's Internship Syllabus for specific academic requirements.

As a Faculty Internship Supervisor, I agree to

- assess the student's learning based upon internship duties listed in the ILA; a daily journal kept by the student; the research project paper on a Great Lakes environmental science topic addressed during the internship experience; the student's paper on the application of professional science PLUS course fundamentals on their internship project; the completion of the specified hours at the internship site; the Site Supervisor's evaluation; the internship experience presentation.

Faculty Internship Supervisor Signature: _____ **Date:** _____