

Veterinary Microbiology Graduate Student Handbook (Updated July 2020)



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1. INTRODUCTION

The Department of Veterinary Microbiology (<https://wcvm.usask.ca/departments/vet-micro.php>) has students with diverse interests, including Bacteriology, Epidemiology, Immunology, Parasitology, and Virology, and their research questions address these areas at levels ranging from the molecular to the population. We are united by our desire to explore microorganisms and their relationships with us, with other animals, and the environment.

The purpose of this handbook is to provide you with basic information on the various services available to you in your graduate program, as well as the duties and requirements that you will need to fulfill to complete your graduate degree. While your program may seem at times like an exercise in hoop-jumping, it is not intended to be so. Indeed, each step in your program is designed to fulfill a specific function. In brief, our graduate programs comprise two components, a didactic one and your independent research. The didactic learning is intended to provide a knowledge framework upon which your research is based.

2. APPLICATION FOR ADMISSION TO THE GRADUATE PROGRAM

The Department accepts students for training programs leading to M.Sc. and Ph.D. degrees.

For further information regarding graduate studies, please contact:

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Details of requirements and procedures for admission to graduate programs at the University of Saskatchewan are available from the web site of the **College of Graduate and Postdoctoral Studies (CGPS)** (<https://grad.usask.ca/programs/veterinary-microbiology.php>). These include information for **international students** (<https://grad.usask.ca/admissions/admission-requirements.php#Minimumadmissionrequirements>) such as requirements for demonstrating **proficiency in English** (<https://grad.usask.ca/admissions/admission-requirements.php#Englishlanguageproficiencyrequirements>) and an estimate of the **financial cost** (<https://grad.usask.ca/funding/tuition.php>) of attending the University.

We strongly advise prospective students to contact individual departmental faculty members, to inquire if they are willing to supervise the student, before applying for admission. Information about the research interests of departmental faculty can be obtained from the **Department** website (<https://wcvm.usask.ca/departments/vetmicro/vetmicro-people/all-people.php>). Only applicants who are supported by scholarships or through their supervisor's research grant will be accepted as graduate students in the program. The Department does not require applicants to take the Graduate Record Examination (GRE) or entrance examinations other than those required to demonstrate **proficiency in English** (<https://grad.usask.ca/admissions/admission-requirements.php#Englishlanguageproficiencyrequirements>).

3. PROGRAM ADMINISTRATION

a. Graduate Affairs Committee

The Department Graduate Affairs Committee (GAC) makes most decisions regarding the Department's graduate program, including the approval of applicants for admission to the program, regulations regarding qualifying and comprehensive examinations and conditions for transfer of students from M.Sc. to Ph.D. programs. The GAC is chaired by the Graduate Chair and membership consists of faculty, adjunct and associate members of the department who are supervisors of Veterinary Microbiology graduate students.

b. Scholarship Committee

The Scholarship Committee is composed of three members of the Graduate Affairs Committee, including the Graduate Chair, and two graduate students. This committee is responsible for evaluating applications for departmental scholarships, and ranking applications for other internal (WCVM) scholarship competitions.

c. Administrative Staff

Dr. Joe Rubin is the Departmental Graduate Chair and Linda Nemeth is the Graduate Programs Coordinator. Please see section 2 for contact details.

4. STUDENT ADVISORY COMMITTEES

As soon as possible following a student's initial registration in his/her program, an Advisory Committee should be named to assist in course selection and definition of the research area. The graduate chair, the supervisor, and the student most often guide the decision-making process for Advisory Committee selection. The guiding principle is that the student needs sustained advice from the beginning of their program if they are to move expeditiously and constructively through the various program requirements.

The first meeting of a student's Advisory Committee should be within six months of the student's initial registration. The Advisory Committee meets twice a year (usually in May and November) to review and assess student progress and to offer advice. However, students are encouraged to contact members of their committee whenever they need assistance. The Advisory Committee also plays an important role in assessing student performance in qualifying and comprehensive examinations and thesis defenses.

The M.Sc. Advisory Committee consists of at least three members, the Ph.D. Advisory Committee consists of at least five members, as follows:

Advisory Chair - The Graduate Chair or designate

Supervisor - A member of the faculty of the CGPS (adjunct professors included) but cannot be a Professional Affiliate.

Co-Supervisor, if applicable - Persons who are not members of the faculty of CGPS, may be granted permission to be a co-supervisor by the Dean, CGPS. (Note: co-supervisors share a vote in decision-making at the oral defense, and thus count as one member).

Additional Members - a minimum of 1 for an M.Sc. and 2 for a Ph.D. Must be members of the faculty of CGPS, adjunct professors, Professional Affiliates or be granted permission by the Dean, CGPS.

Cognate Member – a minimum of one for a Ph.D. program. Must be a member of the Graduate Faculty, CGPS or granted permission by the Dean, CGPS, but cannot be a member of the student's home department.

The **Dean of the CGPS** is an *ex officio* member of the Advisory Committee.

5. GENERAL REGULATIONS AND CONSIDERATIONS

a. Supervisors on Sabbatical or other Leave

Students can expect their Supervisors to ensure that adequate provision has been made for continued supervision during their absence or leave of any kind. All such arrangements will be communicated to the CGPS Dean with a copy to the student and Department Head concerned. The Department Head will advise the CGPS if these arrangements are not considered satisfactory by the department. Faculty members should recognize that it is imperative to make an appropriate reduction in supervisory and advisory responsibilities prior to and during sabbatical and similar types of leave. Students can expect their supervisors to recognize that the thesis and examinations required by the Program of Studies are important events. In order that students can schedule their work appropriately, they should be informed well in advance about the Supervisor's plans for forthcoming leaves or absences. Interim examining and supervisory arrangements that have been made to cover a period of absence do not release Supervisors and Advisors from final responsibility for the adequate supervision of their students.

b. Residence Requirements

The minimum residence requirements for a Master's program are one regular academic session (i.e. 8 continuous months), starting in September and ending in April, or the equivalent in Intersession and Summer Session. Within the Residence period, candidates in a thesis program must have full-time status and must register in VTMC 994, VTMC 990, and the minimum number of graduate credit units for their specific program of study.

The minimum residence requirements for a Ph.D. program are two full years (i.e. 24 continuous months) for those students who hold a recognized Master's degree in a suitable field. Within the Residence period, candidates must have full-time status and must register in VTMC 996, VTMC 990, and the minimum number of graduate credit units for their specific program of study. They must be actively engaged during this period in academic work as prescribed by the department or college, including research.

The minimum resident period for students who **transfer from a Master's program to a PhD program without completing the Master's program** is three regular academic sessions beyond the attainment of the Bachelor's degree (i.e. 32 continuous months). Students transferring from a Master's program are required to complete a minimum of two regular academic sessions in residence as Ph.D. candidates, regardless of the time in residence completed at the Master's level.

All interpretation regarding residence credit will be made by the CGPS Dean on the advice of the Chair of the student's Advisory Committee. The place of residence is normally the University of Saskatchewan. Formal permission from the CGPS must be obtained in advance if students plan to study or do research elsewhere during the residence period. Following the residence period, students may continue their research at the place of their

choice, in consultation with their Supervisor and Advisory Committee. However, at any time during the program, students may be required to spend their time at the University of Saskatchewan in order to remain in good standing.

c. Financial Support

Supervisors shall ensure stipend support for graduate students under their supervision - at least \$16,000/year for M.Sc. students and \$20,000/year for Ph.D. students. Students must inform supervisors of awards won and any other alterations in funding. Support beyond two years (M.Sc.) or four years (Ph.D.) cannot be guaranteed and will be contingent on availability of funding and documented evidence of adequate progress by the student.

d. Vacation/Leaves of Absence

Graduate students are entitled to a minimum of two weeks of vacation per year. Vacation should be scheduled at a time that is mutually convenient to the student and supervisor.

Leaves of absence are available to students for compassionate, medical, parenting, and educational reasons. Leaves of absence from CGPS are normally granted in four-month blocks only, to coincide with the registration terms, except in the case of maternity, adoption and parenting leave, which may be granted for up to twelve months at once. The Head of the academic unit or Graduate Chair has the authority to approve a first-time leave request of up to 4 months for compassionate or medical reasons. For maternity, parental or adoption reasons, the leave may be approved for up to 12 months immediately following a birth or adoption. The leave period is not included in the time period for completion of the degree, and tuition is not assessed during the leave. While a student is on leave, all supervisory processes are suspended. Unless otherwise permitted by the source of funding, financial support offered to a full-time, fully-qualified student is not available to a student on leave.

To request a leave, submit your request to your supervisor in writing. Include a clear indication of what type of leave you are requesting, an explanation of the circumstances necessitating the leave, and medical documentation, where applicable. Specific diagnoses, details of conditions, details regarding medication, treatment, etc. are NOT required. Medical notes should state how long the physician has been treating the student and specific dates/duration of time away being recommended by the physician.

Once your request has been approved by your supervisor, they should forward it to the department graduate chair for approval. Both the supervisor and graduate chair approval are then forwarded to CGPS for final approval and processing.

e. Time Extensions

Graduate students and all those involved in graduate studies are strongly encouraged to ensure that students move as expeditiously as possible through their programs of studies. Official program time limits are 5 years for M.Sc. and 6 years for Ph.D., whether full or part time, although expected timelines in the Veterinary Microbiology graduate program are shorter (see Section 6a). This time is measured from the beginning of the first term of registration for work that is included in the Program of Studies (may be course work done at U of S or elsewhere, thesis, project, or practicum).

As soon as it is apparent that a student will not complete their program requirements within the time limit of the program, the student should meet with their supervisor to discuss a plan and timeline for completion, using an outline provided by the department. Once a plan has been drafted, it should be distributed to the advisory committee, and an advisory committee meeting should be scheduled to discuss, finalize, and approve the plan.

If the Advisory Committee supports the extension request, the request is forwarded to the Graduate Chair for approval and submission to CGPS.

Only one extension request will be allowed per student, so it is important to plan accordingly and mutually commit to achieving the timelines submitted.

f. Requirement to Withdraw

Students who fail to make satisfactory progress in their program, as shown by performance in course work, in examinations, in research, or in other program components, will be required to withdraw from the graduate program. Such students must be invited to meet with their Advisory Committee as soon as evidence of unsatisfactory performance is available to either the Supervisor or the Graduate Chair. All relevant circumstances should be taken into account, every possible accommodation made, and appropriate procedures followed in order to ensure that the student has full opportunity to explain his/her situation and to take reasonable remedial action.

When departments or colleges recommend that a student be required to withdraw, they must so inform the student in writing through a copy of the recommendation sent to the CGPS Dean. After the Dean is convinced of the appropriateness of this action, official notification of the requirement to withdraw will be sent by the Dean to the student. The student may appeal this decision to the CGPS Associate Dean.

g. Office/Laboratory Space & Telephones

Each student in our department should receive their own office space although some may be quite crowded (at least in the short term), as well as adequate lab space in which to

do their experiments, although this too will likely vary substantially, depending on the local conditions. Each office and lab will have telephones available.

h. E-mail & Website accounts

Upon enrollment in the CGPS each student will automatically be issued an email account by ICT Services. Graduate students also have an opportunity to establish their own websites.

6. STUDENT'S ROLE IN THEIR GRADUATE PROGRAM

The student is responsible for the success of their graduate program, although the faculty, Advisory Committee and the Graduate Chair will always be available to help with problems within the student's program. Specific responsibilities include: timely registration for courses and payment of fees owing, maintaining academic performance at a level commensurate with the program, attending and participating in the weekly departmental seminar series, a commitment to research, adherence to University regulations concerning Academic Integrity (<https://www.usask.ca/integrity/be-responsible1.php>), and maintaining a spirit of collegiality with peers, laboratory co-workers, and faculty. It is the student's responsibility to seek advice from their Advisory Committee where appropriate. Students can request an Advisory Committee meeting at any time by contacting the Graduate Chair.

7. PROGRAM REQUIREMENTS

a. Program Expectations

Master of Science

Program scope and goals:

The program is designed to train students to become capable, critical and self-reliant scientists who are able to apply their knowledge and skills in research and development, education, and policymaking.

The program includes courses (9 credit units, including VTMC 830.3 (Critically Evaluating and Communicating Microbiology)), and a defined research project that forms the basis for a written thesis, defended to the satisfaction of the advisory committee and a cognate examiner. M.Sc. students are expected to produce publication quality results. Publication of results from the thesis project is desirable, but not a specific requirement of the program.

The goal of the research project and thesis is to allow the student to demonstrate competence in hypothesis development, experimental design and execution, interpretation and discussion of the results in the context of the scientific literature.

Expected characteristics and capabilities of an M.Sc. graduate:

- Knowledge of discipline
- Competent experimentalist
- Capable of critical reading and interpretation of the literature
- Able to recognize problems and questions, and generate hypotheses
- Able to design experimental plans to address hypotheses
- Able to interpret results of experiments, and report them both orally and in writing
- Able to keep clear and interpretable records
- Able to work as a member of a team
- Have sufficient knowledge and skills to start a Ph.D. program

Anticipated timelines:

The targeted duration of the program is 2 years, and stipend support beyond 2 years is not guaranteed. The research project portion of the program will be completed within 20 months of entry into the program, with 4 months to write and defend the thesis. Although desirable, publication of the results is not a requirement of the program, and the publication process would not be an acceptable excuse for delays in program completion.

Doctor of Philosophy

Program scope and goals:

The program is designed to train students to become capable, critical and independent scientists and leaders who are able to apply their knowledge and skills as a principle investigator in research and development, academia, and policymaking.

The program includes courses (a minimum of 3 credit units for students entering directly into the PhD program, or 12 credit units for students transferring from the M.Sc. program, including VTMC 830.3 (Critically Evaluating and Communicating Microbiology)), and a research project that forms the basis for a written thesis, defended to the satisfaction of the advisory committee and an external examiner. Ph.D. students are required to make a novel contribution to their field of study, and to publish their results in peer-reviewed journals.

Expected characteristics and capabilities of a Ph.D. graduate:

- Advanced knowledge of discipline, and comprehensive understanding of the area of focus
- Competent, and independent experimentalist
- Advanced critical reading skills, sufficient for future success as a peer reviewer
- Able to recognize problems and questions, and generate hypotheses
- Able to design experimental plans to test hypotheses, and make novel contributions to the field of study

- Able to interpret results of experiments, and report them both orally and in writing to a wide variety of audiences including students, peers, stakeholders, and the public
- Able to function as a team leader
- Have sufficient knowledge and skills to be a principle investigator, capable of writing fundable grant applications, and serving as a peer-reviewer of manuscripts and grants

Anticipated timelines:

The targeted duration of the program is 4 years, and stipend support beyond 4 years is not guaranteed. Publication of the results of the research project is a requirement of the program, with a minimum of one manuscript describing results of the thesis research accepted or published in a peer-reviewed journal at the time of thesis defense.

b. Program of Studies

Within the first year of a student's registration at the University of Saskatchewan in a graduate degree program, a Program of Studies must be submitted to the CGPS by the department on behalf of the student, with a copy of the Program of Studies provided to the student. The Program of Studies forms a contract between the University and the student such that successful completion of the noted courses, passing required examinations and defence of the thesis will result in the conferring of the degree. The Program of Studies is, therefore, a critically important document in each student's file. Until it is approved, no contract exists between the student and University determining the specific requirements to be fulfilled for the degree. Program changes, such as a general change in course work requirements, change in supervisor, or significant change in research area, require that a new Program of Studies be submitted.

c. Course requirements

The following credit unit requirements are required for graduate programs in the Department of Veterinary Microbiology:

- M.Sc.: Minimum of 9 credit units
- Ph.D.: Minimum of 3 credit units
- Transfer from M.Sc. to Ph.D.: Minimum of 12 credit units.

VTMC 830.3 (Critically Evaluating and Communicating Microbiology) is a **required course for all graduate students in Veterinary Microbiology.**

In addition to credit courses, students are **required** to complete the on-line Graduate Research Ethics and Integrity Training Course (GPS 960) **during the first term of their program.** Depending on the research area, some students may be required to complete an additional module geared for work with either human (GPS 961) or animal subjects

(GPS 962), as determined by the student's advisory committee. Students will need to complete this online training before they begin their research and data collection.

Students may elect to complete non-credit courses offered by the CGPS, such as Advanced Graduate Professional Skills (GPS 974); Introductory Instructional Skills (GPS 979); Mentored Teaching (GPS 982); Thinking Critically: Professional Skills for Global Citizens (GPS 984); Philosophy and Practice of University Teaching (GPS 989); and others as offered. These courses have no credit or fees, but require registration. The courses will appear on students' official transcripts.

d. Seminars (VTMC 990)

All graduate students **must** be registered for, and attend, the departmental research seminar series. In addition to being our Departmental Seminar Series, VTMC 990 is a **required** course for all Vet Micro graduate students. If for some reason a student is unable to attend a seminar due to illness or other unavoidable conflict, they must notify the course coordinator in advance of the session they will miss. Failure to attend at least 70% of the seminars may result in the assignment of remedial work at the discretion of the VTMC 990 course coordinator and the Graduate Chair.

All Vet Micro students are required to give a seminar each year during the series. Normally, credit is assigned after defence of the thesis.

e. Research (VTMC 994/996)

Students in a M.Sc. or Ph.D. program must register in the thesis course (994 or 996) in each academic term throughout the program. Credit is awarded after successful defence of the thesis.

f. Courses & academic standing

To receive credit for a graduate class, you must obtain a grade of $\geq 70\%$. Some students may be required by their Advisory Committee to take additional classes to make up for deficiencies in their knowledge base. M.Sc. students may be granted permission by their Advisory Committee to take one undergraduate class to make up for deficiencies. Undergraduate course credit will not count towards minimum graduate program credit requirements.

All students entering a graduate degree should very seriously consider investing in a bibliography management program (e.g., End-Note, Zotero) at the beginning of their graduate program. These programs employ references (including abstracts) downloaded directly from the many bibliography services available (e.g., PubMed). They could save you many dozens of hours of computer labour during your degree, particularly within the context of your thesis.

g. Qualifying Examination

Ph.D. students or students transferring from an M.Sc. to a Ph.D. program are required to take a qualifying examination.

The purpose of the Qualifying Examination is to satisfy the academic unit the student has the potential to obtain sufficient knowledge of the chosen general field of study to proceed toward candidacy for the Ph.D. degree. The content of the examination shall fairly and reasonably reflect material which the student could be expected to know and understand in view of the prevalent and current norms of the discipline and the student's chosen area of research.

The Oral Examination (defence) for the award of the Master's degree at the University of Saskatchewan or other recognized universities may, at the discretion of the student's advisory committee and the CGPS, be accepted in lieu of the Qualifying Examination.

(Policies and Procedures manual)

For students in the Veterinary Microbiology program the qualifying examination will comprise:

1. A written research proposal
2. To-date study results presented in the form of a scientific manuscript, suitable for publication in a peer-reviewed journal

These materials must be presented and defended to the satisfaction of the student's advisory committee. The proposal can be based on the document developed for VTMC 830 - Critically Evaluating and Communicating Microbiology.

- Format of the research proposal:
 - a. Literature review
 - b. Hypothesis and basis for hypothesis
 - c. Objectives
 - For each objective:
 - i. Rationale for experiment
 - ii. Design of experiment
 - iii. Anticipated results
 - iv. Anticipated problems and proposed solutions
 - d. Significance of the work

The research proposal and manuscript describing results to date must be submitted to the advisory committee at least one week in advance of the oral examination.

h. Comprehensive Examination

The purpose of the Comprehensive Examination is to determine whether the student has a mature and substantive grasp of the field as a whole. Normally this examination is scheduled after the student has completed all course requirements and before beginning the doctoral research and thesis. The exam is on topics

cognate to the candidate's field of research. A student passing the Comprehensive Examination is deemed a Ph.D. candidate. (Policies and Procedures manual)

The comprehensive exam is designed to determine whether the student has a comprehensive knowledge of the areas of microbiology in which they anticipate receiving a Ph.D. degree. Likely the areas will overlap substantially with the major heading topics in the literature review section of the student's thesis, but the precise areas in which the student will be examined will be determined by the student's Advisory Committee in consultation with the student. Normally there are four general areas defined as the student's areas of expertise. Since the student is in a doctor of philosophy program, they are expected to be able to philosophize about abstract ideas and concepts. That is, this is not simply testing the student's ability to compile complete lists of facts, but to put them together and project in a very reasoned fashion well beyond the data.

The Graduate Chair will assemble the examination from questions provided by committee members. The examination will have two questions from each area with the student choosing to answer in writing one question from each area – for a total of four answers. The student will have one week (7 days) to compose their answers. All members of the committee will assess all answers within 10 days of the student submitting the answers. The Chair will convene a meeting of the committee at the earliest opportunity. At this meeting the student would defend his/her answers. At this meeting the role of the Graduate Chair will be to ensure that all students are treated in a similar and fair manner.

i. M.Sc. to Ph.D. transfers

Transfer from a Master's program to a Ph.D. program should take place after the end of the first year and no later than the end of the second year in the program.

Recommendation to transfer from a Master's program to a Ph.D. program must be initiated through a formal meeting of the student's Advisory Committee that forwards its recommendation through the academic unit to the CGPS. The following conditions must be met:

- *The student shows great promise both in terms of academic accomplishments and in potential for research.*
- *The student has completed at least 9 credit units, and has achieved a high-academic standing in these 9 credit units.*
- *There is evidence of good writing and oral communication ability.*
- *There is evidence the student has requisite research skills and knowledge to be able to successfully complete a Ph.D. dissertation.*
- *The student has successfully completed the Ph.D. Qualifying Examination prior to being recommended for transfer. **This examination for the purposes of transfer can only be taken once.** A student failing the Qualifying Examination or any part thereof cannot be recommended for transfer. (Policies and Procedures manual)*

The Department rules and requirements for students wishing to transfer from M.Sc. to Ph.D. programs will be explained to the student at the first meeting of the advisory committee if appropriate:

- Transfer to be completed within 24 months of starting graduate program.
- Transfer requires a minimum grade average of 80% for the 9 required course credits (including Critically Evaluating and Communicating Microbiology).
- Transfer requires successful completion of Qualifying Examination
- The final decision for recommending transfer will rest with the student's Advisory Committee.

j. Theses

Theses must follow a very specific editorial format, as laid out by the CGPS in documentation available on their website (<https://students.usask.ca/graduate/thesis-preparation.php#Beforebeginning>). Students are encouraged to review recent theses from the department, available on-line through the University library, or in the department office.

If you have published much of your research, you may wish to use these publications as the individual chapters of your thesis. In this case, each publication has its own introduction, materials and methods, results and figures/tables, and discussion section. Between each chapter, there should be a brief explanation of how each chapter relates to the overall scope and "story" of the thesis. The references from all chapters will be collected together in one common bibliography at the end of the thesis. In addition, you will need to present a coherent discussion of all of your work in one common discussion, presented as its own section immediately following the last "publication", and followed by your conclusions, bibliography and any appendices.

If you plan to include published material in your thesis, it is your responsibility that any licensing requirements and conditions of the publisher/owner of the copyright are met. It is also recommended that you include a cover page for each manuscript chapter that includes the full citation of the publication, an indication that permission of the copyright owner has been obtained, and a statement of author contributions for all co-authors.

If you have not published your work, you may elect to use a traditional thesis format, with one common materials and methods section, several results subsections, one common discussion, and then the conclusion, bibliography and any appendices (e.g., relevant, but somewhat ancillary data, or raw data).

k. Thesis defense

The thesis defense is the time in your program when you publicly announce and defend your results and conclusions. Normally, you present a seminar covering the entire thesis data set and conclusions, and then are joined in private by your advisory committee, an

external examiner (selected by your Advisory Committee as an expert in your area, but from another department (M.Sc.) or institution (Ph.D.)), and a representative of the Dean of the CGPS for Ph.D. defenses. The external examiner, followed in turn by each member of your Advisory Committee, asks you questions about data, experiments or concepts within your thesis. Normally each individual in turn questions you for 15-20 min in order to determine whether you do indeed possess a comprehensive knowledge of your area and are able to develop rational philosophies related to your results. Normally, each individual also has a second 10-20 min turn in asking questions. After this, the chair of the defense will ask you to leave the room briefly so that the examining committee can deliberate. They will discuss any issues they have and arrive at a conclusion regarding your defense, and then call you back into the proceeding to advise you of their decisions. Most often this involves additional editorial changes that need to be done in order for the thesis to be acceptable. Normally, you make these in conjunction with your supervisor, who takes responsibility for ensuring that the changes are made before the thesis is declared suitable for binding and submission to the CGPS.

8. SCHOLARSHIPS

CGPS Graduate Scholarships: The Department of Veterinary Microbiology is enrolled in the University of Saskatchewan CGPS devolved graduate scholarship program. That means that our CGPS scholarships are assigned to us by the CGPS based on the numbers of students within their allotted time in our program (24 months for M.Sc., 48 months for Ph.D.). At present, the value of a full level M.Sc. level CGPS scholarship is \$16,000/year, while that for a Ph.D. level scholarship is \$20,000/year; only partial scholarships are allocated at the department level. Allocation of devolved scholarship funding is based on recommendations of the Scholarship Committee. Information regarding the application process is distributed to students and supervisors annually.

Additional information on various University scholarships and other, external funding opportunities is available from CGPS Funding page (<https://grad.usask.ca/funding/scholarships.php>).

FOR FURTHER INFORMATION PLEASE VISIT: <http://www.grad.usask.ca/>

CGPS regulations governing graduate programs are in the Policies and Procedures Manual available on the CGPS website (<https://cgps.usask.ca/policy-and-procedure/index.php>).