This chart is descriptive, not prescriptive. That is, it merely summarizes the existing rules (appended below), and does not itself grant or deny permission to do anything.

This version by Ian Goldberg, 2017-02-01.

	SCS Regular faculty[1]	SCS Research Prof[2]	Cross-appointed to SCS	Other uWaterloo regular faculty	Adjunct (not emeritus)	Emeritus with adjunct	Emeritus (not adjunct)
Sole-supervise MMath	✓	D	σ	—	D	D	—
Sole-supervise PhD	†	A	Σ	—	A	ρ	R
Co-supervise MMath/PhD	✓	✓	✓	D	✓	✓	—
MMath thesis/essay reader	✓	✓	D	D	✓	✓	—
PhD seminar form	✓	✓	✓	—	✓	✓	—
PhD Comp II (Advisory) Committee internal member	✓	✓	✓	D	✓	✓	—
PhD Committee internal member	✓	✓	✓	—	A	A	—
PhD Committee internal-external member	—	—	✓	✓	A	A	—
PhD Committee external member	—	—	—	—	—	—	—

1 Lecturer, {Asst, Assoc, [Full]} Professor in the School of Computer Science, including joint (not cross) appointments

2 Research {Asst, Assoc, [Full]} Professor in the School of Computer Science

✓ Allowed

— Not allowed

A Only if approved by the Associate Dean, Graduate Studies of the Faculty of Mathematics, on the recommendation of the Director of Graduate Studies of the School of Computer Science

D Only if approved by the Director of Graduate Studies of the School of Computer Science

† Only if the faculty member has Approved Doctoral Dissertation Supervisor (ADDS) status

σ Only if the cross-appointed faculty member has been granted sole-supervision privileges

Σ Only if the cross-appointed faculty member has been granted sole-supervision privileges, and also has ADDS status

R Only for students the faculty member was already sole-supervising when they retired.

ρ Only if approved by the Associate Dean, Graduate Studies of the Faculty of Mathematics, or automatically for students the faculty member was already sole-supervising when they retired.

Other notes

At least one co-supervisor of any student must satisfy the requirements to be a sole supervisor.

The sets of MMath thesis and research paper readers, PhD seminar form signers, Comp II committee members, and PhD Committee members have distribution requirements (see details below). That is, although, for example, non-CS faculty can be a MMath thesis reader, the majority of the readers of any thesis must be CS faculty.

Official references

MMath Supervision

https://cs.uwaterloo.ca/current-graduate-students/policies-procedures

Every supervisor and co-supervisor of an SCS graduate student must have an academic faculty-level appointment (possibly an adjunct appointment) at the University of Waterloo.

CS graduate students must have a supervisor or at least one co-supervisor who either:
- holds a regular academic appointment in SCS (e.g., not a research, adjunct, or cross-appointed faculty member),
- is a cross-appointed faculty member who has been exceptionally granted sole-supervision privileges in SCS, or
- holds a research or adjunct appointment in SCS and has been approved to sole-supervise the student by:
  - the Director of Graduate Studies of SCS (for an MMath student), or
  - the Associate Dean, Graduate Studies of the Faculty of Mathematics, on the recommendation of the Director of Graduate Studies of SCS (for a PhD student).

It is recognized that UW faculty members who do not have an appointment in CS can provide valuable expertise in the context of co-supervising CS grad students, especially for students involved in interdisciplinary research. However, it is desirable to maintain some level of oversight for co-supervision by non-CS faculty. Therefore, in order for a UW faculty member who does not have a cross-appointment in CS to co-supervise an CS graduate student, approval must be obtained from the Director of Graduate Studies in CS. In such cases, a brief discussion of the research expertise of the non-CS co-supervisor should be provided to the Director of Graduate Studies, along with a clear description of the role to be played by each co-supervisor.

PhD Supervision

https://cs.uwaterloo.ca/current-graduate-students/policies-procedures

Every supervisor and co-supervisor of an SCS graduate student must have an academic faculty-level appointment (possibly an adjunct appointment) at the University of Waterloo.

CS graduate students must have a supervisor or at least one co-supervisor who either:
- holds a regular academic appointment in SCS (e.g., not a research, adjunct, or cross-appointed faculty member),
- is a cross-appointed faculty member who has been exceptionally granted sole-supervision privileges in SCS, or
- holds a research or adjunct appointment in SCS and has been approved to sole-supervise the student by:
  - the Director of Graduate Studies of SCS (for an MMath student), or
  - the Associate Dean, Graduate Studies of the Faculty of Mathematics, on the recommendation of the Director of Graduate Studies of SCS (for a PhD student).

For PhD students, this same (co-)supervisor must also have Approved Doctoral Dissertation Supervisor (ADDS) status.

It is recognized that UW faculty members who do not have an appointment in CS can provide valuable expertise in the context of co-supervising CS grad students, especially for students involved in interdisciplinary research. However, it is desirable to maintain some level of oversight for co-supervision by non-CS faculty. Therefore, in order for a UW faculty member who does not have a cross-appointment in CS to co-supervise an CS graduate student, approval must be obtained from the Director of Graduate Studies in CS. In such cases, a brief discussion of the research expertise of the non-CS co-supervisor should be provided to the Director of Graduate Studies, along with a clear description of the role to be played by each co-supervisor.

https://uwaterloo.ca/graduate-studies/faculty-and-staff/organization-graduate-studies

Those faculty members who are supervising doctoral students when they retire may continue to sole-supervise these students until these students complete their degrees.

https://uwaterloo.ca/graduate-studies/faculty-and-staff/organization-graduate-studies

Co-supervision with a regular faculty member with ADDS status is normally a requirement for Adjunct Faculty and Research Professors. The Faculty Associate Deans, Graduate Studies, have the authority to waive the co-supervision requirement for a specific student, on the recommendation of the Department/School.

MMath thesis readers

https://cs.uwaterloo.ca/current-graduate-students/overview-degree-programs/master-mathematics-computer-science

The supervisor and readers are normally members of the School of Computer Science, and normally at least one must be a regular faculty member of the School of Computer Science. The majority of the thesis committee must be drawn from CS faculty. The readers must be approved by the Director of Graduate Studies.

https://uwaterloo.ca/graduate-studies-academic-calendar/general-information-and-regulations/minimum-requirements-masters-degree

In the case of a Master's program involving a thesis, one copy of the thesis is required for each member of the Reading Committee which consists of at least two faculty members in addition to the supervisor appointed in the student's department or co-supervisors. The supervisor and one member are faculty members of the student's department.

https://uwaterloo.ca/math/current-graduate-students/mmath-thesis-procedures

Two readers knowledgeable in the research area, in addition to the supervisor, must also be chosen and once this committee has been mutually agreed upon it is to be reported in writing to the Graduate Officer/Director of Graduate Studies. The agreement must state the title of thesis and the expected completion date. The readers must be approved by the departmental Graduate Committee (Graduate Officer/Director of Graduate Studies).

MMath research paper reader

https://cs.uwaterloo.ca/current-graduate-students/overview-degree-programs/master-mathematics-computer-science

The supervisor and reader are normally members of the School of Computer Science, and normally at least one of them is a regular faculty member in the School of Computer Science.

https://uwaterloo.ca/graduate-studies-academic-calendar/general-information-and-regulations/minimum-requirements-masters-degree

In the case of a Master's program involving a Research Paper, the research paper must be evaluated by at least two faculty members, one of whom should be the student's supervisor.

PhD seminars

https://uwaterloo.ca/graduate-studies-academic-calendar/mathematics/david-r-cheriton-school-computer-science/doctor-philosophy-phd-computer-science#degree_requirements

Each seminar should be attended by at least the student's supervisor and one other faculty member of the David R. Cheriton School of Computer Science, who will be required to assess and approve the quality of the presentation.

https://cs.uwaterloo.ca/current-graduate-students/overview-degree-programs/phd-computer-science/phd-seminar

Each one-hour seminar should be attended by (at least) the student's supervisor and one other faculty member of the School of Computer Science, at least one of whom must be a regular faculty member in SCS. These faculty will be required to assess the quality of the presentation.

Comp II (Advisory) committee

https://uwaterloo.ca/graduate-studies-academic-calendar/mathematics/david-r-cheriton-school-computer-science/doctor-philosophy-phd-computer-science#degree_requirements

An Advisory Committee is struck for each PhD student. It consists of the student's supervisor, co-supervisor (if any) and at least two other faculty members in the David R. Cheriton School of Computer Science chosen by the mutual agreement of the Committee, the student and the Director of Graduate Studies. Normally, this committee forms the basis of the student's PhD thesis defence committee.

https://cs.uwaterloo.ca/current-graduate-students/overview-degree-programs/phd-computer-science/phd-comprehensive-ii-depth

The committee consists of the supervisor (and co-supervisor) and two additional members from the School of Computer Science. One of the two members may be from outside the School, if this is approved by the Graduate Director. Normally at least two members of this committee will be regular faculty members in SCS. It is assumed that this committee will become part of the candidate's PhD Thesis Committee. For this reason it is expected that the committee will meet regularly to discuss the candidate's progress and be available to discuss the research topic with the candidate. The make up of the Committee must be approved by email to the Director of Graduate Studies of the School of Computer Science prior to the PhD Comprehensive-II exam.

https://uwaterloo.ca/graduate-studies-academic-calendar/general-information-and-regulations/minimum-requirements-phd-degree

When a department wishes to appoint a supervisor (at the latest a month after the comprehensive), the departmental Graduate Officer shall consult with the candidate about an Advisory Committee and shall recommend to the Associate Dean (Graduate Studies) of the Faculty the composition of that three to five person Committee. In certain Faculties the Advisory Committee is appointed upon the passing of the comprehensive examination. This Committee must consist of the supervisor(s) and at least one other faculty member from the department. The supervisor must be a regular member of the University faculty; or, when a supervisor has adjunct status, another on-campus professor must serve as co-supervisor. The Associate Dean (Graduate Studies) of the Faculty has the authority to waive the co-supervision requirement on the recommendation of the department / school. Two other faculty members, one of whom may be external to the department or Faculty, may also participate in this Committee. In any event, the Advisory Committee must have a minimum of the supervisor and two other faculty members or a maximum of two supervisors and three other faculty members.

PhD committee

https://uwaterloo.ca/graduate-studies-academic-calendar/mathematics/david-r-cheriton-school-computer-science/doctor-philosophy-phd-computer-science#degree_requirements

Upon completion of the thesis, the student defends the final document before an examination board consisting of the supervisor, co-supervisor (if any), two faculty members from the David R. Cheriton School of Computer Science, one University of Waterloo faculty member external to the School of Computer Science and an external examiner.

https://cs.uwaterloo.ca/current-graduate-students/overview-degree-programs/phd-computer-science/phd-thesis-and-defense

The defense committee is normally made up of the supervisor (and co-supervisor) and two faculty members from the School of Computer Science, or faculty members cross appointed to the School from other University of Waterloo departments. The Internal-External Examiner and the External Examiner complete the committee. Normally at least two members of the committee will be regular faculty members in SCS. The Director of Graduate Studies of SCS must approve the committee. The Faculty Associate Dean of Graduate Studies will also appoint a Chair to oversee the defense. The School's requirements with regard to the committee may differ from the Faculty of Mathematics requirements.

https://uwaterloo.ca/graduate-studies/current-students/thesis/phd-thesis-exam-regulations#PhDthesisexamcommittee

The Examining Committee consists of a minimum of five voting members:

- External Examiner
- Supervisor or Co-supervisors
- Internal Member (from the home department)
- Internal-external Member (external to the home department)
- Other Member(s)

The internal member is normally drawn from the student's Advisory Committee and is from the student's home department.

Member: Normally, this committee member is drawn from the student's Advisory Committee. The member normally holds a tenured or tenure track position at the University of Waterloo or has another type of ongoing faculty appointment.

In some cases it may be beneficial for a student to have access to the expertise of a particular adjunct faculty member. The Faculty Associate Dean, Graduate Studies may give permission for an adjunct faculty member to serve on the Examining Committee as the Internal-External or Member, provided that the Adjunct faculty members holds a PhD. No more than one adjunct faculty member (including Professors Emeriti) may serve on the Examining Committee, with the exception of cotutelle student defences, which may involve the participation of more than one adjunct faculty member.

Internal-external

https://cs.uwaterloo.ca/current-graduate-students/overview-degree-programs/phd-computer-science/phd-thesis-and-defense

The Internal-External examiner is internal to the university and external to the candidate's home department. Cross appointed faculty to the School of Computer Science can be considered for the Internal-External examiner.

https://uwaterloo.ca/graduate-studies/current-students/thesis/phd-thesis-exam-regulations#PhDthesisexamcommittee

In rare cases, identifying an internal-external who is able to make a meaningful contribution to the examination is problematic. In such circumstances, the requirement that the Internal-External be external to the department may be waived by the Faculty Associate Dean, Graduate Studies based on a rationale provided by the Graduate Officer. Holding an adjunct or cross appointment in the student's home department does not preclude serving as an internal-external.

In some cases it may be beneficial for a student to have access to the expertise of a particular adjunct faculty member. The Faculty Associate Dean, Graduate Studies may give permission for an adjunct faculty member to serve on the Examining Committee as the Internal-External or Member, provided that the Adjunct faculty members holds a PhD. No more than one adjunct faculty member (including Professors Emeriti) may serve on the Examining Committee, with the exception of cotutelle student defences, which may involve the participation of more than one adjunct faculty member.