

CMU Neural Computation

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Program director(s)

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MSTP student representative (point of contact for more information)

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Application requirement?

No

Graduate stipend (as of academic year 2022-2023)

\$34200

Enrichment funds

A few set models of computers that are purchased for students during their first year in the program. The travel policy is in flux at the moment, but the program will be rolling out some new guidelines soon that will most likely offer \$500 per year for conferences/professional development.

Health insurance coverage?

Covered by graduate program with option to enroll in vision/dental for extra \$

Health insurance enrollment deadline

September 9th

Does health insurance change if student is on a training grant or fellowship?

Health insurance is the same regardless of support mechanism.

If awarded an F30/1, does the grad program decide how the institutional allowance is spent

Yes

Internal funding sources

Various institutional awards

Incoming graduate student orientation?

Yes

Coursework registration dates

Follows the standard CMU registration period which can vary from semester to semester.

Course requirements for MSTP

Core Courses: Cog Neuro and Statistical Models of Brain

2 Computational Electives

2 Graduate level courses in a quantitative subject (Math, CS, or stats)

For PNC/Stats Joint program – 7 required courses instead of electives and quantitative courses

For PNC/ML Joint program – 5 ML core courses with GPA of >3.5

What and when are the milestones for MSTP students?

Students have a 1st year milestone at the end of their 1st year summarizing a computational project. This project will be evaluated by a committee consisting of at least three faculty, of whom at least two are PNC training faculty. In the second year, students are expected to work on research about 1/3 of their time during the academic year and full time during the summer. By the end of the second full year in the program all students are required to complete a deeper computational project. It is expected that this work will be written up as a manuscript suitable for submission to a journal in the relevant field; a draft of this manuscript must be submitted to the committee at least a week in advance of the meeting. I Required

coursework should be completed by the end of the third year. During the fourth year a Ph.D. candidate should present a thesis proposal to his or her thesis committee and the community

There is no specific publication requirement to graduate, but it is assumed a student would have at least one 1st author publication.

Required semesterly courses

No

Teaching requirement

2 courses

How does the graduate program assess whether MSTP students are on track

Advisor, committee, end of semester graduate evaluation meetings, meeting milestones

Required meetings outside of thesis mentor

Thesis committee