

Fall 2026 Physics Kick-off

Land acknowledgement

The University of Winnipeg Physics Department is located on Treaty One Territory and the National Homeland of the Red River Métis, in Wiiniibak, Manido Abi. These are the ancestral lands of the Anishinaabeg, Anisininew, Ininiwak/Nehethowuk, Oceti Sakowin/Dakota Oyate, and Michif (Métis) Peoples. This territory is also a place of significance for the Denesuline and the Inuit, some of whom have been living here for generations. We acknowledge that our water is sourced from Shoal Lake 40 First Nation (Shoal Lake 39 is also impacted) in Treaty Three Territory, and that most of our hydro-electricity comes from Treaty Five Territory in northern Manitoba.



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Outline

- David MacDougall, Awards Officer from Awards & Financial Aid
- Physics Student Association Introduction (Alex)
- SOSA (Nicole)
- Overview of the Physics program (Evan)
- Research internships
- Applying to graduate schools
- University Physics Competition (Andrew)
- Randy Kobes poster symposium (Andrea)

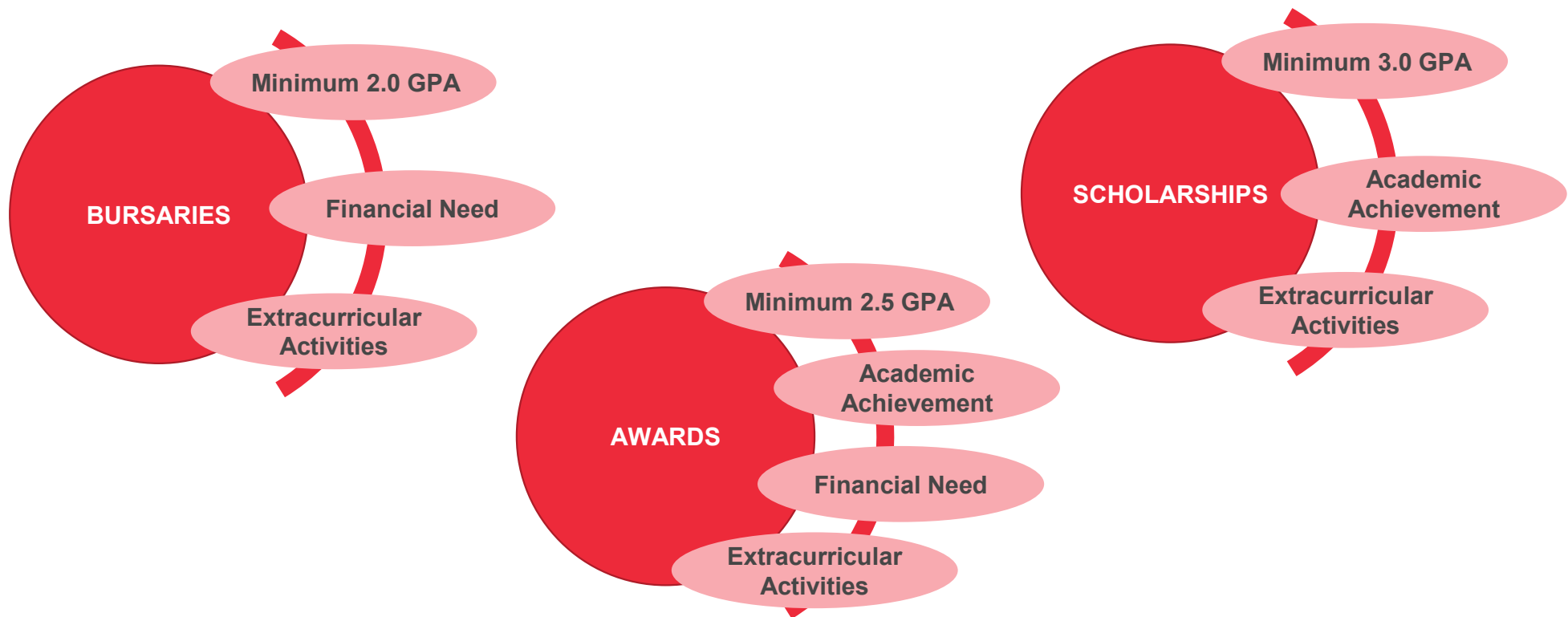
Applying for Physics Awards

Make your application as competitive as possible



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Award Qualifications



The General Application



- **Step 1-** Complete the General Application to apply for all competitive awards
- **Step 2-** Complete the “University Scholarships and Department Awards” questions
- **Step 3-** Completed the “Physics Department Awards and Scholarships” Conditional Application
- **Step 4-** Complete the Recommended Opportunities

Finding the Application: uwinnipeg.ca/awards

Awards and Financial Aid

- Apply now [MB Student Aid 2024-25!](#)
- [Sign up](#) for our Summer Money Talks!
- Entrance Scholarships will be posted on student accounts in late August. Please monitor your university webmail for final offer values.
- [Submit your external award letters](#) to be posted in early September.

We distribute over \$6 million in scholarships, awards and bursaries, and more than \$20 million in annual government student aid to assist our students with their education costs.

Features



Apply for Awards



Government Student Aid



Presentations & Resources

Opportunities

[Applicants and Administrators](#)

[References and Reviewers](#)

Welcome!

UW current or prospective students, staff or faculty members:

Sign in using your UWinnipeg credentials.

If you need help with your Login or password, please click on [trouble signing in](#).

Sign In with your UWinnipeg Webmail



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My Applications

Opportunities

▼ David MacDougall

Application Progress

● General Application ⓘ

Please take a few minutes to review and complete all the required questions in this application. The information you share will help us connect you with a variety of awards offered through the University of Winnipeg. In many cases, completing this application can also open the door to additional award opportunities. Once you've updated your information, remember to save your application by clicking Update General Application at the bottom of the form.

Note: Required fields are marked with an asterisk.

General Application Questions

* Self Identification

* First generation student? (i.e., first person in your family to attend post-secondary education)

☐ Yes

☐ No

☐ Unknown / Do not wish to respond

First generation student means neither of your parents or guardians have attended post-secondary education or your sibling has attended college or university, that's okay. You're still within the first generation of your family to attend post-secondary education.

Save and Keep Editing

Finish and Submit

Tips for a Strong Application

- ✓ Pick Your Major
- ✓ Achieve Good Grades
- ✓ Get involved on campus
- ✓ Declare your Indigenous Ancestry
- ✓ Write a resume and cover letter
- ✓ Choose 2-3 people to be your references



Answer The Questions Carefully

Do you want to be considered for financial need based awards?

Say Yes! Even if you're not sure you have financial need, this makes sure you are covering all your bases!



Expense Category

- Select the option that best describes your living situation
- Select only one option
- Enter “1” for yes or “0” for no

Expense Category:

What living situation best describes you while you are in studies? Please only SELECT ONE from the list of 5 options below.

Do not leave any answers blank, enter a 0 (zero) if the question does not apply to you.

Type 1 for YES.

Type 0 for Not Applicable to you.

OPTION 1: I am a single student living with parents/family, not paying rent.

Please enter a whole number, no decimals or other symbols. Do not leave blank. Enter 1 for YES. Enter 0 if this option does not apply to you.

OPTION 2: I am a single student living with parents/family, paying rent.

Please enter a whole number, no decimals or other symbols. Do not leave blank. Enter 1 for YES. Enter 0 if this option does not apply to you.

OPTION 3: I am a single student not living with parents/family, paying rent.

Please enter a whole number, no decimals or other symbols. Do not leave blank. Enter 1 for YES. Enter 0 if this option does not apply to you.

OPTION 4: I am a single parent.

Please enter a whole number, no decimals or other symbols. Do not leave blank. Enter 1 for YES. Enter 0 if this option does not apply to you.

OPTION 5: I am a student living with a spouse/partner.

Please enter a whole number, no decimals or other symbols. Do not leave blank. Enter 1 for YES. Enter 0 if this option does not apply to you.

Resources

- Enter your monthly and term resources
- Enter amounts in Canadian dollars
- Enter “0” if the question does not apply to you

Monthly Resources:

*Do not leave any answers blank, enter a 0 (zero) if the question does not apply to you.
When entering a dollar figure, please do not use any symbols such as dollar signs.*

Are you a recipient of Employment and Income Assistance (EIA) or Employment Insurance (EI)? If yes, what is the total combined monthly amount?

Please enter a number. You can use a decimal, but exclude any other symbols.

Are you receiving a Child Tax Benefit? If yes, what is your monthly amount?

Please enter a number. You can use a decimal, but exclude any other symbols.

Are you receiving sponsorship? Sponsors may include Band Council/Indian Affairs support, Employment and Training Serves (ETS), or employer support. If yes, what is your monthly amount?

Please enter a number. You can use a decimal, but exclude any other symbols.

Do you have a part-time or full-time job? If yes, what is your average monthly salary (after taxes)?

Please enter a number. You can use a decimal, but exclude any other symbols.

What is the estimated monthly total of other monetary resources and supports that you expect to receive that were not listed above? Please include any monthly funds that you anticipate receiving from your parents or spouse.

Please enter a number. You can use a decimal, but exclude any other symbols. Do not include any Government Student Aid funding you have or expect to receive.

Term Resources:

Do not leave any answers blank, enter a 0 (zero) if the question does not apply to you.

Fall/Winter (September to April - while in studies)

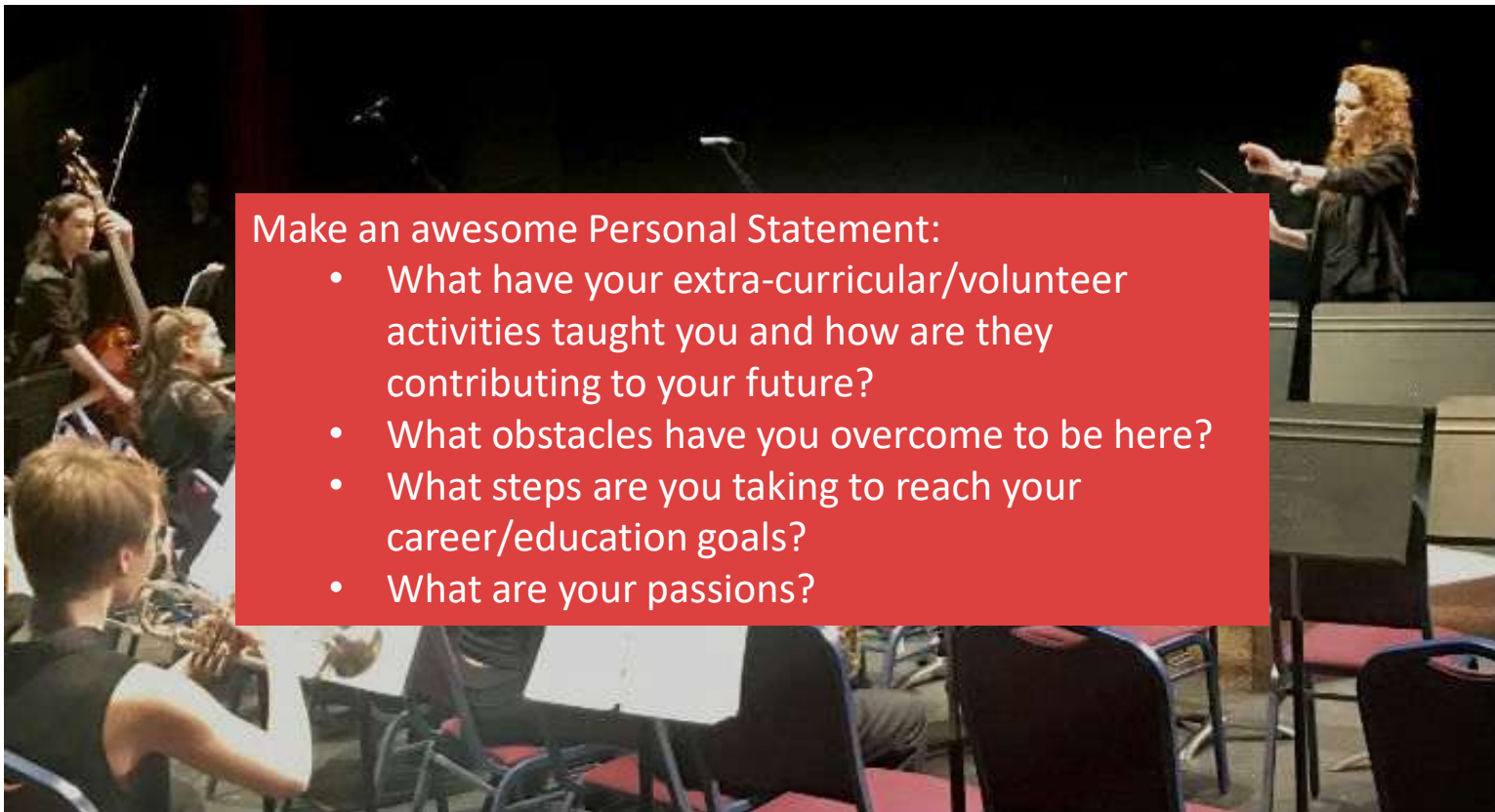
If you have external monetary awards, scholarships, or bursaries, include the amount you have received or expect to receive between September and April.

Please enter a number. You can use a decimal, but exclude any other symbols. Only identify monies you are receiving or expecting to receive for the current academic year. Do not include anything received from previous years.

If you are using RESPs to fund your studies, include the amount of RESPs you plan to use between September and April.

Please enter a number. You can use a decimal, but exclude any other symbols. Only include monies you are expecting to use for the current academic year. Do not include anything received from previous years.

Personal Statement



Submit Your Application

*** Authorize and Release Statement**

- Answer 1 time.

* 1. I hereby declare that all the information on this application is complete and true in every respect. Personal information on this form is collected under the University of Winnipeg Act and 36(1)(b) of the Freedom of Information and Protection of Privacy Act. It will be used and disclosed for award eligibility and processing purposes, alumni services (e.g., events, publications, media stories, alumni membership tracking), donor reports, and research done at the University (e.g., internal and external award reporting, analysis of programs, institutional statistics). If I am a successful recipient, I understand that the name of the award, the amount received, my name, degree/major, and year level will be disclosed to The University of Winnipeg Foundation for donor stewardship purposes.

☐ I agree with the statement above.

* 2. Full Name

* 3. Authorize Date

Please enter a date formatted like MM/DD/YYYY.

[Save and Keep Editing](#)[Finish and Submit](#)

Conditional Applications

1

My Applications

Opportunities

Application Progress

☒ General Application ⓘ

☐ Indigenous Award Opportunities

☐ Modern Languages Awards and Scholarships

☐ Physics Department Awards and Scholarships

Please take a few minutes to review and complete all the required questions in this application. The information you provide will connect you with a variety of awards offered through the University of Winnipeg. In many cases, completing this application opens the door to additional award opportunities. Once you've updated your information, remember to save your application. Update General Application at the bottom of the form.

Note: Required fields are marked with an asterisk.

General Application Questions

Self Identification

* First generation student? (i.e., first person in your family to attend post-secondary education)

☐ Yes

☐ No

☐ Unknown / Do not wish to respond

First generation student means neither of your parents or guardians have attended post-secondary studies nor has your sibling attended college or university, that's okay. You're still within the first generation of your family attending post-secondary studies.

* Indigenous student? If so, please self-identify.

☐ First Nations (status)

☐ First Nations (non-status)

☐ Metis

☐ Inuit

☐ Does not apply / Do not wish to respond

Please note that the categories above pertain to Indigenous peoples in Canada only.

Physics Conditional Application

Physics Department Awards and Scholarships

★ Physics Personal Statement:

Write a short statement (300 words max) describing your interest in the field of physics and your involvement in the department.

Words Used: 0 [Maximum Words: 300]

Example Formatting: ***bold***, *_italics_*

B *I*  

Help Preview

Medical Physics - Dr. Donald Kydon Prize:

This question is mandatory for the Dr. Donald Kydon Prize.

Write a short statement (300 words max) describing your interest in the study of medical physics.

Words Used: 0 [Maximum Words: 300]

Example Formatting: ***bold***, *_italics_*

B *I*  

Help Preview

Recommended Opportunities

Application Progress

- ☒ General Application
- ☐ History and Art History Department Awards and Scholarships
- ☐ Notable Scholarships
- ☐ University Scholarships and Awards
- ☒ Other Recommended Opportunities ¹

Recommended Opportunities

Show Filters

Great job! You're almost done, just a few more steps:

The list below shows extra award opportunities we think might be a good match based on the information you've already shared. Keep in mind, "Recommended" does not mean you automatically qualify, you will still need to provide a bit more information for each one. To apply, click "**Apply**" next to the award you're interested in, then read through the eligibility criteria, extra questions, and any document requirements. If you meet the requirements, fill in the answers, attach any needed documents, and click "**Finish and Submit**." Be sure to get these in before the posted deadlines so you don't miss out

Search by Keyword		
Award	Name	Actions
\$500	George Bryce Memorial Prize Awarded for the best undergraduate essay in Religion and Culture in a...	Apply by 10/01/2025
2 X \$75	Shanker Memorial Prizes These prizes have been established by Dr. Prem Shanker in memory of his...	Apply by 10/01/2025
\$2640	Judge Walter J. Lindal Memorial Scholarship This scholarship is given by Mrs. Ruth Hilland, United College Class of...	None ¹
2x \$500	The Bhai Kahan Singh Nabha Scholarship - Undergraduate This scholarship will be given to students with a minimum 30 credit...	None ¹
\$1500	Victor Batzel Faculty of Arts Research Scholarship This scholarship will support a Bachelor of Arts major who is embarking...	None ¹
3x \$1,000	AESES Bursary The Association of Employees Supporting Education Services (AESES) will...	None ¹



Now You Wait . . .

- After the application closes, you may need to wait up to 6 weeks to learn the results.
- Recipients will receive a notification email to their UWinnipeg email address.
- If you don't get an email, then we encourage you to update your application for the next round of awards. The competition is always changing.
- If the award creates an overall credit on your account, you can request the credit be released through our webform. Make sure you keep your address up to date on WebAdvisor.

Key Dates for Awards

- There is a new award application each term

	How to Apply	Opens	Closes
Fall Term	Online Application	August	October 1
Winter Term	Online Application	October	February 1
Spring Term	Online Application	April	June 1

Contact Us

We are happy to meet with students!

We offer regular drop-in hours:

Monday	9:00 A.M. – 3:30 P.M.
Tuesday	9:00 A.M. – 3:30 P.M.
Wednesday	11:00 A.M. – 3:30 P.M.
Thursday	9:00 A.M. – 3:30 P.M.
Friday	9:00 A.M. – 3:30 P.M.

Other ways to contact us:

Email: awards@uwinnipeg.ca

Phone: 204-786-9459



Available Physics Scholarships/Awards

- Henry Doidge Memorial Scholarship
- Duckworth Scholarship
- B.G. Hogg Scholarship
- D.C. Hogg Scholarship
- Brian J. Hyslop Memorial Scholarship
- Dr. Donald Kydon Prize
- Donald Kerr Scholarship in Honours Physics
- Kunstatter Family Bursary in Physics
- Dr. Herbert Shubin Memorial Scholarship
- Physics Student Association Award (**Winter 2027**)

University of Winnipeg Physics Student Association Scholarship

The UWPSA has formed its first ever scholarship fund! Each winter term, \$500 will be given to a Physics major with demonstrated financial need, who is a good student and active member of the University of Winnipeg Physics Student Association.

Donations are being collected to help ensure the long-term future of the UWPSA scholarship. Your donation will support many hardworking students in the future who contribute to the UWinnipeg physics community.

Questions: uwphysics.sa@gmail.com



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DONATE HERE:



Physics Students' Association (UWPSA)

Who's on the team?

- President: Alex Martin
- Vice-president: Tyrone Reimer
- Treasurer: Marcelo Katayama
- Outreach coordinator: Ariana Solomon
- Social media coordinator: Quinn Beyak

Where is the student lounge?

2C21, in the physics department hallway, near Ian Burley's office.

Why?

- Great way to make connections. Collaborating = success!
- Keycard access to 2C21, including printing, chalkboards, fridge, microwave, etc.
- Scholarship eligibility
- UWPSA/Physics merchandise
- **Events, such as our reading week social on Oct. 14**, skating, study sessions, workshops, etc.





Join the UW Physics Students' Association!

What's included?

1. Keycard access to 2C21, the student lounge.
2. Full-sized fridge, printers, appliances, snacks...
3. UWPSA scholarship eligibility
4. Events, multiple chalk boards, & a great community!

Plans & Events:

- **Pints & Particles Social at The King's Head Pub (Oct 14, 2026)**
- Science Student Talks
- Quick-fire Physics Bee
- Super cool merch!! Stay tuned!

Eligibility

- Currently enrolled in (or completed) 6 credit hours of Physics courses
- Pay \$15.00 membership fee for lounge access to an executive member, or contact us by email
- Follow lounge & server rules

Contact us!

uwphysics.sa@gmail.com

 [Instagram](#)  [Discord](#)



You can buy social tickets without being a member!

SOSA (The Students of Science Association)



Physics at The University of Winnipeg

- What can you do with a Physics degree?
- Many continue in top graduate schools
- Many apply their strength in problem-solving to generate success in industry:
 - AGCO, JCA Technologies, Pluto Ventures, Ubisoft, NVIDIA, Blue Origin, Boeing, 3M, Price Industries, and Cubresa Inc, in roles ranging from Computational Fluid Dynamics (CFD) Analyst to Aerospace Engineer to Data Scientist.
- E.g. Jyota Malcolm, Barnstorm VFX



UW Computational Physics BSc, 2017

Physics Programs

- Hons. BSc in Physics
- Chemical Physics Hons. BSc
- Computational Physics Hons. BSc
- Mathematical Physics Hons. BSc
- Medical Physics Hons. BSc
- Want to be a physics teacher?
 - Minor in Physics is ideal as a teachable minor
 - PHYS-1005 Concepts in Science is designed for Elementary/Middle years
- Want to be an engineer?
 - [Pre-engineering fact sheet](#)
 - 3-yr BSc (Applied Physics Stream)
 - Plan for transfer to engineering, elsewhere (we have information and can help)
- Want to go into science and business?
 - Business stream
- Want work experience while completing your degree?
 - Co-op program
- Related programs
 - Radiation Therapy

Physics Research at The University of Winnipeg

- Research:
 - digital agriculture and robotics
 - subatomic physics and materials science
 - magnetic resonance imaging in diagnosing disease
 - black holes, higher-dimensional cosmology, superstrings, and quantum gravity.
- You can get a summer job doing research at UW.

Other opportunities throughout the school year:

- Hons. Thesis PHYS-4001
- Exchange programs (Engineering in Germany)
- Co-op program

Internal Awards (UW)

- NSERC Undergraduate Summer Research Award (USRA)
 - February 2027
- International Student USRA
 - March 15, 2027
- P2GS: Pathways To Graduate Studies. (4-weeks)
 - Deadline not yet set. Could be Mar 2027.
- ISSP: Indigenous Summer Students Program. (12 weeks)
 - Deadline not yet set. Could be Mar 2027.

More info: <https://www.uwinnipeg.ca/research/grants/undergraduate-student-research-funding-opportunities.html>

External Awards

- USRAs at other universities
 - **Deadlines vary. Contact now.**
- Institute for Particle Physics/CERN fellowship
 - **Deadline** not yet set. Could be **Nov 2026**
- Canadian Institute Nuclear Physics
 - Deadline: not yet set. Could be Feb 2027
- TRIUMF
 - Deadline: not yet set. Keep watch on their job postings now. Could be late 2026 or early 2027.
- DAAD RISE Germany
 - **Deadline Oct-Nov 2026**

- MM1 • Perimeter Scholars International (PSI) Start
 - Deadline not yet set. Could be Dec 2026 or Jan 2027
- McDonald Institute
 - Deadline not yet set. Could be Jan or Feb 2027
- Canadian Institute for Theoretical Astrophysics SURF
 - Deadline not yet set. Could be Jan 2027
- AAPM (medical physics) 10 week internship
 - Deadline not yet set. Could be Oct 2026 – Feb 2027
- Vector Institute for Artificial Intelligence
 - Summer jobs not posted yet

Deadlines are approaching. Start planning now! For some opportunities, January is too late.

Applying to graduate school in Physics

- Want to get an MSc or a PhD in Physics? We supervise MSc and PhD students, and we've completed the process ourselves. Ask us how!
- Deadlines for grad school applications range from about December 1 (top schools + NSERC) until May (UManitoba).
- If you are in your final or penultimate year of your degree, start planning now!

University Physics Competition

- Make a team of up to 3 students to solve a free-form physics problem and write a paper in 48 hours!
- Contest dates: 7PM Fri Nov 6 to 7PM Sun Nov 8
- Contact Dr Frey by Oct 2 to register your team, or earlier for coaching
- Final deadline to register is Oct 29, 2026



21st Randy Kobes Undergraduate Poster Symposium

NOVEMBER 18 (Research Week)

- Create a poster & present to a series of judges (10 min increments)
- Compete for a cash prize (*optional*)
- Choose a Science Category:
 - Social Sciences
 - Biological Sciences
 - Ecological & Environmental Sciences
 - Experimental Physical Sciences
 - Math & Theoretical Physical Sciences
 - Health Sciences
- Choose a Judging Time Slot (1 hour)



Eligibility

- Must have been enrolled at UofW in an undergraduate program in 2025-26, OR are currently an undergraduate of UofW in the 2026-27 school year.
- Open to all Science undergraduate students who in the 2025-26 academic year performed natural science & engineering research under the supervision of a faculty member.

Details & Deadlines

- **Register Online: October 30**
- Submit title/abstract & judging time slot: November 2

WORKSHOP! – OCT 7

- **October 7th (12:30-1:20pm), 3M69**
 - Email uwpostersymposium@uwinnipeg for Zoom invitation
- Guest/Former Judge: Yvette Shang from Mitacs
- Helpful tips in creating prize-winning poster & presentation; answer all questions

QUESTIONS?

Email: uwpostersymposium@uwinnipeg.ca

Visit: <https://www.uwinnipeg.ca/randy-kobes-symposium/>

See Andrea: Come talk to me! 3L00A



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