



## WELCOME TO TAU BETA PI THE ENGINEERING HONOR SOCIETY Fall 2023 Edition

Fellow classmates and colleagues,

Congratulations on your outstanding academic achievements! Your drive to succeed in scholarship has made you one of the top performers of your class, and earned you an invite to Tau Beta Pi, the Engineering Honor Society!

Tau Beta Pi is the oldest engineering honor society in the United States that recognizes and honors engineering students who have demonstrated distinguished scholarship and exemplary character. It is the second oldest collegiate honor society in the country, and is the only one that represents the entire engineering profession. Founded in 1885 at Lehigh University by Professor Edward H. Williams Jr., Tau Beta Pi has grown leaps and bounds to 255 collegiate chapters across the United States and Puerto Rico, and has initiated over 600,000 members to-date.

The Michigan Gamma chapter of Tau Beta Pi (TBP) was founded at the University of Michigan, Ann Arbor in 1906, and has since grown to be the second largest TBP chapter. Michigan Gamma brings together the great minds of the diverse engineering fields in the College of Engineering, and has initiated over 10,000 members to-date, including notable personalities like American astronaut Edward H. White II, and Google co-founder and CEO Larry Page. Michigan Gamma is also one of the most active TBP chapters, organizing over a 100 service, social and professional development events each semester. Some of our notable events include co-hosting the Fall SWE/TBP Career Fair which is one of the largest academic career fairs in the country, and Cub Scouts Day where we help local Cub Scouts earn their Engineering Pin by organizing various engaging modules, such as the famed Egg Drop Project. We also offer free one-on-one tutoring, and organize fun social and inter-society events, all aimed to build a strong community that fosters academic excellence, professional and personal integrity, and a spirit of liberal culture in the field of engineering.

By participating in Tau Beta Pi, you will have the opportunity to meet fantastic peers from across the field of engineering who, like yourselves, are driven towards achieving academic excellence and enthusiastic to engage with the community. In this first general meeting you will learn of the various benefits that come from being a member of TBP, including opportunities for community service, networking, professional development, scholarship, and leadership. You will also learn of the requirements to be completed in order to gain membership into Tau Beta Pi - and though they may seem daunting at first, you can be assured that we are here to help you achieve these goals. Included in this packet is the information you will need in order to elect into TBP. If you have any questions, please don't hesitate to ask!

We hope you will choose to elect into membership for Tau Beta Pi. And remember - membership in Tau Beta Pi is lifelong, so once a member, always a member!

Jacob V Miller  
Graduate Vice President  
Tau Beta Pi, MI-G



## GRADUATE ELECTEE PACKET CHECKLIST Fall 2023 Edition

Make sure your packet has all of the following items:

1. Information Sheet: Calendar of Events and Officer Information
2. Graduate Electee Requirements
3. Service Project Descriptions
4. Character Evaluation: Information on Exemplary Character Survey and Interview
5. Graduate Electee Checklist
6. Minors on Campus Policy
7. Graduate Electee Advisor Form

If you are missing something, stop by the office (1226 EECS) or visit the website ([tbp.engin.umich.edu](http://tbp.engin.umich.edu)).

### Office Hours - Fall 2023

Please come visit us at our office hours located in the bullpen (1226 EECS). We can answer any questions and help you with your electee process. The schedule for the office hours is the following:

Executive Team	Mondays	3:00 pm - 4:00 pm
Chapter Team	Fridays	3:00 pm - 4:00 pm
Events Team	TBD	

# INFORMATION SHEET - Fall 2023

Tau Beta Pi MI-G

## Important Dates

September			
5	First General	6:30 pm	1013 Dow
8	Alternate First General	6:30 pm	1017 Dow
11 & 12	Career Fair	All Day	North Campus
19	Second General	6:30 pm	1013 Dow
20-22	Interviews	By Appointment	1120 Dude*
26	New Initiatives I	6:30 pm	1013 Dow
October			
10	Third General	6:30 pm	1013 Dow
17	New Initiatives II	6:30 pm	1013 Dow
24	Fourth General	6:30 pm	1610 IOE
November			
14	New Initiatives IV	6:30 pm	1013 Dow
28	Elections	6:30 pm	1013 Dow
December			
5**	Fifth General	6:30 pm	1013 Dow
9	Initiation	3:00 pm	1500 EECS
9	Banquet	6:00 pm	Lake Forest
11	Alternate Initiation	7:00 pm	Zoom

## Officers

President  
 Vice President  
 Grad Student Vice President  
 Secretary  
 Treasurer  
 External Vice President  
 External Vice President

### Executive Committee

Ansh Patel  
 Karen Jin  
 Jacob V Miller  
 Namit Padgaonkar  
 Mitra Mokhlesi  
 Colin Davidson  
 Kevin Masel

tbp.president  
 tbp.vicepresident  
 tbp.gradvicepresident  
 tbp.secretary  
 tbp.treasurer  
 tbp.externalvicepresident  
 tbp.externalvicepresident

### Chapter Team

Advika Jhingran  
 Tony Zheng  
 Hunter Muench  
 Alex Li

tbp.chapterdevelopment  
 tbp.historian  
 tbp.publicity  
 tbp.membership

### Events Team

Drew Boughton  
 Yicheng Tang  
 Riley Garliauskas  
 Vance Kreider  
 Andrew Zaloudek  
 Alex Kalams

tbp.service  
 tbp.k12outreach  
 tbp.k12outreach  
 tbp.campusoutreach  
 tbp.corporate  
 tbp.activities

\* Interviews will take place in the Duderstadt conference rooms 1120A and 1120B

\*\* Deadline to complete all electee requirements

## Advisors

tbp-advisors@umich.edu

Kyle Lady	EECS	kylelady	Chief Advisor
Leeland Pierce	EECS	lep	Faculty Advisor
Dr. David Martel	BME	damartel	Alumnus Advisor
Ranadeep Mitra	CS	ranadeep	Alumnus Advisor
Michael Benson	EECS	mlbenson	Graduate Student Advisor
Pritpaul Mahal	EECS	prtpaul	Alumnus Advisor
Riley Garliauskas	ChE	garliari	Undergrad Student Advisor
Zack Goldston	EECS	zwgold	Undergrad Student Advisor
Kate Giammalvo	ME	kgiamm	Graduate Student Advisor

## General Information

TBP Office  
 1226 EECS

Email  
 tbp.officers@umich.edu

Website  
 tbp.engin.umich.edu







## GRADUATE ELECTEE REQUIREMENTS – Fall 2023

The following is a detailed list of the requirements involved in the TBP electee process. Later in this packet you will also find a quick checklist that summarizes the important deadlines mentioned here. Please note the dates of the meetings and requirements on your calendar.

**Create a Profile by September 15, 2023:** In order to being electing, you must first create an profile on the TBP Michigan Gamma website [tbp.engin.umich.edu](http://tbp.engin.umich.edu), as it will allow you to sign-up for events, receive important notifications, and track your progress throughout the semester. Step-by-step information on navigating the website will be pro-vided during the First Grad Electee Team Meeting (see item IV), but briefly, you can use the "Event List" link under the "Calendar" Menu to sign up for events and the "Track my Progress" link under the "Membership" menu to keep an eye on which requirements you have completed.

### I. REQUIRED MEETINGS

**Attend all the General Meetings (5), Elections (1) and Initiation & Banquet (1).** All meetings (except Initiation & Banquet) will begin at 6:30pm (check INFORMATION SHEET section of this packet for dates and venue). If you are unable to attend one or more of the General Meetings, please inform the Graduate Vice President, look over a copy of the meeting's agenda at [tbp.engin.umich.edu](http://tbp.engin.umich.edu), and make up for the missed meeting by completing one extra hour of service, social or professional development. Attendance at Elections cannot be made up by extra hours, so if you cannot make it, please contact the Graduate Vice President. **Attendance at Initiation is required by the national organization to become a member of Tau Beta Pi. If you have an unavoidable conflict, please inform the Graduate Vice President ASAP!** Though not required, you are welcome (and encouraged!) to attend New Initiative Meetings - these meetings can count towards service hours.

### II. TEN SERVICE HOURS

**Complete at least TEN\* hours of service projects before December 5, 2023.** Service events are scheduled via the website ([tbp.engin.umich.edu](http://tbp.engin.umich.edu)), and signing up is a commitment to go! Hours will only be provided after attendance at the event is confirmed. If you are unable to attend an event you have signed up for, you must un-sign up at least 24 hours in advance. We recommend making sure the website (under the "Track my Progress" tab) accurately displays what you have completed. If not, please contact the website officer ([tbp.website@umich.edu](mailto:tbp.website@umich.edu)).

**\*At least FIVE of these service hours must be completed before November 7, 2023**

### III. THREE SOCIAL EVENTS

**Complete at least THREE\* social events before December 5, 2023.** Socials include Happy Hours, ice cream/ game nights, sports, Rock 'n' Bowls, Engineering Futures, and many more. **At least ONE of these socials MUST be a Grad Social.** The Graduate Vice President, Graduate Student Activities Chair(s) and others will be scheduling a number of Grad Socials this semester, possibly including movie nights, lunch/dinner outings, and many more. If you have an idea for a Grad event, please contact the Graduate Vice President.

**\*At least ONE of these social events must be completed before November 7, 2023.**

### IV. TWO GRAD ELECTEE TEAM ACTIVITIES

**Attend at least TWO\* Graduate Electee Team Activities before December 5, 2023.** These activities will aim to serve as a peer mentor group for the electees, providing opportunities to interact with each other and other graduates active in TBP. The Graduate Student Vice President will be scheduling five Grad Electee Team Activities this semester. More information on the schedule of these meetings will be provided later.

**\*The first Grad Electee Team Meeting, scheduled for Wednesday September 13, 2023 at 7:30 pm is REQUIRED for all graduate electees, and will cover the basics of navigating the TBP website.**

## V. CHARACTER QUESTIONNAIRE & INTERVIEW

(i) Complete the online electee questionnaire regarding exemplary character, (ii) upload a copy of their résumé, & (iii) sign up for ONE in-person interview on the website before **September 15, 2023**. The electee questionnaire can be found under Electee Resources on the website ([tbp.engin.umich.edu](http://tbp.engin.umich.edu)). Your resume should be submitted to your website profile. The in-person interview is designed to be a low-pressure interaction with the electee that lasts about 25 minutes and starts no later than 5 minutes after start time, requiring a total commitment of 30 minutes. **Interviews will be held on September 20-22, 2023.** Detailed information on the Electee Questionnaire and Interview can be found in the CHARACTER EVALUATION section of this packet.

## VI. FORMS & PAPERWORK

### i. Submit the following completed forms before **September 15, 2023**:

(a) Graduate Electee Advisor Form\* (copy included in packet)

(b) Online Graduate Education Form (OGEF)\*

([http://tbp.engin.umich.edu/members/electees/submit\\_education\\_form](http://tbp.engin.umich.edu/members/electees/submit_education_form))

(c) If you are a PhD student but will be receiving a Masters degree along the way (check with you pro-gram's Graduate Coordinator!), please circle "Masters" in Form (a), & in Form (b) list both Masters and PhD under the "Degrees" section.

### ii. Complete the Youth Protection Training by **September 15, 2023**. Please see the "MINORS ON CAMPUS POLICY" section of this packet for more details.

### iii. Complete the Catalog Card online before November 7, 2023. More details will be provided by the Secretary (Namit Padgaonkar) later.

## VII. MEMBERSHIP DUES

**Pay the membership fee of \$100 to the Treasurer (Mitra Mokhlesi) before December 5, 2023.**

This is a one-time fee to be a member of Tau Beta Pi that pays for electee supplies, the banquet, your bent, certificates, your lifetime membership, etc. You can turn it in at a meeting or to Mitra Mokhlesi at her office hours. Payment is preferred via Venmo or Paypal with additional information coming later from the Treasurer.

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Remember, this is only what you *have* to do — there are no limits on what you can do! In the end, TBP is what you make of it - the more you give, the more you get out of it!





## Service Project Descriptions - Fall 2023

Tau Beta Pi MI-G

The following projects and descriptions are examples of some of the service projects that our chapter has carried out in the past. The complete list of service projects that will be done this semester is uncertain due to the constantly evolving opportunities our members discover. However, this list should give you a good sense of the different types of service projects that we undertake. If you see an event you'd like to participate in that hasn't been scheduled, you may also take the lead on it yourself. This semester is a great time to have creative ideas and take advantage of TBP resources for service events. Also, if we have a large amount of electees and general motivation to do larger scale community service, we have a community outreach plan set up that consists of a lot of groundwork/direct interaction with the Michigan/Ann Arbor community. If you are interested in any of this please contact Drew Boughton (tbp.service@umich.edu); it is never too early to start getting involved in leadership. Note that the list below is only a taste of the service projects we have carried out.

**Ann Arbor Natural Area Preservation Stewardship Workdays:** Ann Arbor Natural Area Preservation (NAP) is a section of the Ann Arbor Government that specializes in the preservation of public parks and nature reserves. NAP hosts weekend Stewardship Workdays that welcome groups of volunteers to help remove invasive plant species to preserve biodiversity.

**Ann Arbor Probility Marathon:** TBP has had the opportunity to volunteer with set-up and awards for the large Ann Arbor Probility Marathon.

**Cub Scouts Day:** Cub Scouts Engineering Day is a TBP-organized event for local Cub Scouts troops to receive their engineering badges. Activities include bridge building, egg drop, circuits, and floor plan. Volunteers are needed to help run these stations and to lead groups of Cub Scouts through the stations.

**FIRST Robotics with FAMNM:** TBP, in association with the FIRST Alumni and Mentors Network at Michigan (FAMNM), has become involved with volunteering for local FIRST robotics competitions.

**Hands-On Musuem:** The Ann Arbor Hands-On Museum aims to inspire people to discover the wonder of STEM. Have fun with kids while learning cool science facts! Past events include helping children make their own microbes, exploring unique musical instruments, and celebrating DNA day.

**Kiwanis Thrift Sale:** Kiwanis Thrift Sale is one of the largest thrift sales in Ann Arbor and is run completely by volunteers. They are always looking for more help with sorting, transporting, and the sale of donated goods.

**KnitWits:** KnitWits helps the less fortunate during the cold winters by creating warm clothes from donated material. We tie together scraps of fleece to make blankets, hats, and scarves for the homeless here in Ann Arbor. No experience is necessary; instructions and materials all provided!

**Maize & Blue Cupboard North Campus Food Distribution:** Maize & Blue Cupboard is a free food pantry located on Central Campus that holds bi-weekly North Campus distribution events. The goal of these events is to supply students on North Campus with fresh produce and combat food insecurity.

**University of Michigan Science Olympiad:** University of Michigan Science Olympiad (UMSO) provides an excellent opportunity for both middle school and high school science olympiad teams to compete in a variety of STEM activities. TBP has provided dozens of volunteers to help grade and supervise events.

**Zooniverse:** Zooniverse is a completely virtual service opportunity that sees volunteers classifying elements for large-scale data sets. Topics include cosmology, biology, history, and many more!



# CHARACTER EVALUATION - Fall 2023

Tau Beta Pi MI-G

*Exemplary* character is one of the requisites for membership in Tau Beta Pi. In addition to being active members of the engineering community, Tau Beta Pi members must meet the **highest standards of moral character**. Our chapter will assess your character through written essays and an interview.

## Electee Interview Questionnaire:

The first component of the character assessment in Tau Beta Pi is the Electee Interview Questionnaire. You will be required to complete a Questionnaire with a couple fun Questions, Your short answer Questions, and one essay question. Please note that this Questionnaire (and a copy of your résumé) are due by **11:59 pm September 15, 2023** by submitting them through the website. The Questionnaire can be found under Members Resources while your résumé should be submitted to your website profile. Submit your **essay and Résumé** by **11:59 pm September 15, 2023**.

Some of the short answers will provide you with the opportunity to share a part of your personality with us. Others will ask for your opinion on topics related to academic integrity. While not a direct question on character, these questions will allow us to better understand you, your thinking, and grasp your personal character.

As an organization that stresses the importance of exemplary character in our electees and our active members, the essay is a **crucial** part of character assessment. This (one page) essay is a rather open-ended assignment, and we encourage you to get creative with your description. Nevertheless, exemplary character is not an arbitrary concept, and we are looking for specific evidence that you know what this important quality means. Tau Beta Pi members should meet the highest standard of moral character. The quotes on the following page may help inspire you on the subject of exemplary character, but don't limit yourself to those ideas.

The questionnaire can be found and completed under **Members** → **Electee Resources** at [tbp.engin.umich.edu](http://tbp.engin.umich.edu). Be ready to discuss your answers during your interviews.

## Interviews:

The interview is the most important part of character assessment. Interviews will be held **September 20-22, 2023** via TBD. Each interview should last about 25 minutes and starts no later than 5 minutes after the scheduled start time (to allow for travel from classes). Dress code is business casual (i.e. you don't need to wear a suit, but dress professionally). While the interview is intended to be low-pressure, electees can be denied membership on the basis of a negative interview, so take the process seriously. Interviewers will review the résumé and the answers to the Electee Interview Questionnaire you submitted by **September 15, 2023**. Sign up for a graduate electee interview on the website ([tbp.engin.umich.edu](http://tbp.engin.umich.edu)).

Interview Dates: **September 20-22, 2023**

Location: **Duderstadt Center Rooms 1120A and 1120B**

Requirements: **Dress is business-casual**

Sign up for a graduate electee interview under "Events" at [tbp.engin.umich.edu](http://tbp.engin.umich.edu).

Submit your Questionnaire answers under **Members** → **Electee Resources** at

[tbp.engin.umich.edu](http://tbp.engin.umich.edu) and your résumé to your website profile by **September 15, 2023**.

The interview information will be re-addressed before Second General. However, if you have any questions or scheduling issues, please contact the Graduate Vice President ([tbp.gradvicepresident@umich.edu](mailto:tbp.gradvicepresident@umich.edu)).



## Quotes about Character

**“Character, not circumstance, makes the person.”**

– Booker T. Washington, American educator and civil rights activist (1856-1915)

**“Character is like a tree and reputation like its shadow. The shadow is what we think of it; the tree is the real thing.”**

– Abraham Lincoln, 16th U.S. president (1809-1865)

**“It is with trifles, and when he is off guard, that a man best reveals his character.”**

– Arthur Schopenhauer, German philosopher (1788-1860)

**“Weakness of attitude becomes weakness of character.”**

– Albert Einstein, Swiss-American mathematician and physicist (1879-1955)

**“Character cannot be developed in ease and quiet. Only through experience of trial and suffering can the soul be strengthened, vision cleared, ambition inspired, and success achieved.”**

– Helen Keller, American author, activist and lecturer (1880-1968)

**“When the character of a man is not clear to you, look at his friends.”**

– Japanese Proverb

**“The right way is not always the popular and easy way. Standing for right when it is unpopular is a true test of moral character.”**

– Margaret Chase Smith, American Senator (1897-1995)

**“The best index to a person’s character is (a) how he treats people who can’t do him any good, and (b) how he treats people who can’t fight back.”**

– Abigail Van Buren, American columnist (1918-2013)



## GRADUATE ELECTEE CHECKLIST – Fall 2023

Use this quick checklist to stay organized with all the requirements and deadlines for the TBP electing process!

Done?	Date Due	Requirements
_____	Sept 5, Tuesday	<b>First General Meeting**</b>
_____	<b>Sept 13, Monday</b>	<b>First Grad Electee Team Meeting**</b> Create profile on website
_____	Sept 15, Monday	<b>Online Electee Questionnaire</b> Sign-up for interview (1-3 Feb)
_____	Sept 19, Tuesday	<b>Second General Meeting**</b> Complete interview Submit Advisor and OGEF forms U of M Background Check Youth Protection Training
_____	Oct 3, Tuesday	<b>Second Actives [DON'T ATTEND!]</b> One grad electee team meeting 3 service hours total (recommended)
_____	Oct 10, Tuesday	<b>Third General Meeting**</b>
_____	Oct 24, Tuesday	<b>Fourth General Meeting**</b>
_____	Nov 7, Tuesday	<b>Third Actives [DONT ATTEND!]</b> 5 service hours total (required) 1 social event total (required) Complete catalog card
_____	Nov 28, Tuesday	<b>Elections**</b>
_____	Dec 5, Tuesday	<b>Fifth General Meeting**</b> Complete 10 service hours total Complete 3 social hours total (one grad social) Attend 2 grad electee team meetings total Pay \$100 dues to Treasurer
_____	Dec 9, Saturday	<b>Initiation** and Banquet</b>

\*\*indicates REQUIRED MEETING. If you cannot attend a meeting, please inform the Graduate Vice President ([tbp.gradvicepresident@umich.edu](mailto:tbp.gradvicepresident@umich.edu)).



To: Jacob V Miller  
Graduate Student Vice President  
Tau Beta Pi – Michigan Gamma  
1226 EECS

From: \_\_\_\_\_  
(Advisor's Name)

Re: Tau Beta Pi Candidacy of  
  
\_\_\_\_\_  
(Applicant's Name)

I certify that the above named graduate student in Engineering at the University of Michigan has completed or will complete prior to induction (December 9, 2023) at least 50% of his/her

Master's                      Ph.D.                      (please circle one)

degree requirements including both coursework and research. Based upon the student's academic performance, I recommend his/her induction into Tau Beta Pi – The Engineering Honor Society.

\_\_\_\_\_  
(Advisor's Signature)

Return this form to Jacob V Miller, MI-G Graduate Student Vice President, by email ([tbp.gradvicepresident@umich.edu](mailto:tbp.gradvicepresident@umich.edu)) before September 19, 2023.





## MINORS ON CAMPUS POLICY - Fall 2023

Tau Beta Pi MI-G

The University of Michigan, Ann Arbor Public Schools, and the Boy Scouts of America require anyone volunteering with children to complete background checks. This means that in order for anyone to volunteer and interact in any way with youth at TBP Events, they must complete a background check form. **Before you can complete the background check, you need to opt-in to the process by filling out the background check opt-in form (<https://tbpmi.org/YPT>). Please do so as soon as you can.** After you do so, the K-12 officers will submit your name to receive a background check, and in the days after, you will receive an email from a third-party system (GIS) to complete a background check form (check your spam). **You must submit a screenshot of the end of the survey to K-12 officers ([tbp.k12outreach@umich.edu](mailto:tbp.k12outreach@umich.edu)) by September 19, 2023 in order to volunteer with youth at MindSET, Cub Scout Day, Merit Badge Day or Major Fairs. You will not receive a confirmation email unless something is flagged.** If you are unable or unwilling to complete the form and submit to the background check, participation at K-12 events will be limited to roles that ensure non-interaction with youth.

The University of Michigan requires that all individuals volunteering with minors also complete training. To fulfill this training requirement, Tau Beta Pi is requiring members to complete Youth Protection Training (YPT), offered through the Boy Scouts of America. This training will be offered in-person at the end of the Second General meeting (register on the website), and can also be completed online. It takes around an hour to complete and can be found at [scouting.org/training/youth-protection](https://scouting.org/training/youth-protection). You will need to create an account before proceeding to take the training online, and after completing online training, you must save your certificate as a PDF document and send it to the K-12 officers ([tbp.k12outreach@umich.edu](mailto:tbp.k12outreach@umich.edu)).

**Submission of your YPT certificate, proving that you have completed the online training, should be completed by September 19, 2023. Upload the YPT certificate using the following link <https://tbpmi.org/YPT>**

If you have any questions about the background check or training, or if you do not wish to complete the background check, please contact the K-12 officers ([tbp.k12outreach@umich.edu](mailto:tbp.k12outreach@umich.edu)).

To summarize, please have the following done by **September 19, 2023\***:

1. University of Michigan background check. **Take a screenshot** of the final page of the survey and **send to [tbp.k12outreach@umich.edu](mailto:tbp.k12outreach@umich.edu)** (you will not receive a confirmation email).
2. Boys Scouts of America Youth Protection Training (YPT) at [scouting.org/training/youth-protection](https://scouting.org/training/youth-protection) and upload a certificate to <https://tbpmi.org/YPT>

\*If you miss this deadline but wish to participate in events involving youth, you may contact the TBP Service Coordinator ([tbp.service@umich.edu](mailto:tbp.service@umich.edu)) to check if there is enough time to complete the background check prior to the event.

K-12 Event Dates are:

**MindSET:** October 1, October 22, November 5, December 3

**Cub Scouts Day:** November 19

**Merit Badge Day:** October 28

**Major Fairs:** TBD

**STEM Videos:** Ongoing!