



WELCOME TO TAU BETA PI THE ENGINEERING HONOR SOCIETY

Winter 2020 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 248 active collegiate chapters across the United States and Puerto Rico, and has initiated nearly 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 former 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!

Olamide Animasahun
Graduate Vice President
Tau Beta Pi, MI-G



Tau Beta Pi
The Engineering Honor Society

GRADUATE ELECTEE PACKET CHECKLIST Winter 2020 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. Minors on Campus Policy
6. Graduate Electee Checklist
7. Graduate Electee Advisor Form

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

Office Hours - Winter 2020

Please come visit us at our office hours located in the bullpen (1226 EECS) if you have any question.

Time	Monday	Tuesday	Wednesday	Thursday	Friday
09:30-10:00	John Serger	-	-	-	-
10:00-10:30		-	-	Ian Robinson	-
10:30-11:00	Reed Yalisove	-	-		-
11:00-11:30	William Chung	-	Ike Smith	-	-
11:30-12:00		-		-	-
12:00-12:30		Riki Carroll	Andrew Bourgeois	-	-
12:30-13:00	Joe Rottner	-	-	Sarah Puzycki	-
13:00-13:30					-
13:30-14:00	Alison Easton	-	-	-	-
14:00-14:30		-	Marianne DeBrito	-	-
14:30-15:00	-	-		-	-
15:00-15:30	Eileen Li	-	-	Sydney Erickson	-
15:30-16:00		-	Allie Bopp		-
16:00-16:30	-	-		-	Olamide Animasahun
16:30-17:00	-	Jonson Jin	-	-	
17:00-17:30	-		-	-	-

INFORMATION SHEET - Winter 2020

Tau Beta Pi MI-G

Important Dates

January

21	First General	6:30 pm	1571 GGBL
27-28	Interviews	By Appointment	Duderstadt Conf. A,B
28	New Initiatives I	6:30 pm	1571 GGBL
30	Interviews	By Appointment	Duderstadt Conf. A,B,

February

4	Second General	6:30 pm	1571 GGBL
18	Third General	6:30 pm	G906 COOL
25	New Initiatives II	6:30 pm	G906 COOL

March

10	Fourth General	6:30 pm	1571 GGBL
24	New Initiatives III	6:30 pm	G906 COOL
31	Elections	6:30 pm	G906 COOL

April

7*	Fifth General	6:30 pm	1571 GGBL
11	Initiation	4:00 pm	1500 EECS
11	Banquet	6:00 pm	Off Campus
14	New Initiatives IV	6:30 pm	1571 GGBL

* Deadline to complete all electee requirements

Officers

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

Chapter Development
Historian
Publicity Officer
Membership Officer

Service Coordinator
K-12 Outreach Officer
K-12 Outreach Officer
Campus Outreach Officer
Professional Development
Activities Officer

Executive Committee

Reed Yalisove tbp.president
Joe Brenner tbp.vicepresident
Olamide Animasahun tbp.gradvicepresident
Ike Smith tbp.secretary
Joe Rottner tbp.treasurer
Eileen Li tbp.externalvicepresident
Sarah Puzycki tbp.externalvicepresident

Chapter Team

Allison Easton tbp.chapterdevelopment
Marianne DeBrito tbp.historian
Riki Carroll tbp.publicity
Jonson Jin tbp.membership

Events Team

Sydney Erickson tbp.service
William Chung tbp.k12outreach
John Serger tbp.k12outreach
Ian Robinson tbp.campusoutreach
Allie Bopp tbp.corporate
Andrew Bourgeois tbp.activities

Advisors

tbp-advisors@umich.edu

Kyle Lady	EECS	kylelady	Chief Advisor
Joan Greve	BME	jmgreve	Faculty Advisor
Paul Kominsky	AERO	paulko	Alumnus Advisor
Pritpaul Mahal	EECS	prtipaul	Alumnus Advisor
Angelo Vozza	CSE	aovozza	Alumnus Advisor
Michael Benson	EECS	mlbenson	Graduate Student Advisor
David Martel	BME	damartel	Graduate Student Advisor
Eshita Khera	CHE	ekhera	Graduate Student Advisor
Adam Ley	BME	adamwley	Undergrad Student Advisor

General Information

TBP Office

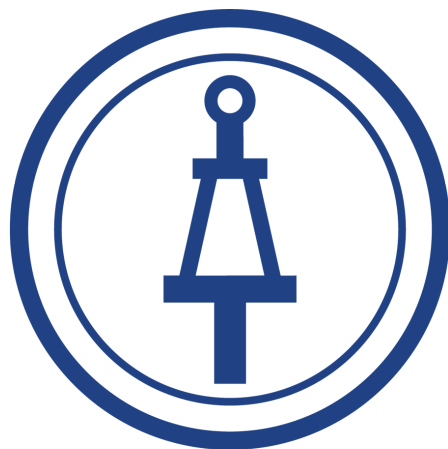
1226 EECS
(734) 615-4187

Email

tbp.officers@umich.edu

Website

tbp.engin.umich.edu



Tau Beta Pi

The Engineering Honor Society



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The Engineering Honor Society

GRADUATE ELECTEE REQUIREMENTS – Winter 2020

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: In order to begin electing, you must first create a profile on the TBP Michigan Gamma website 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 provided 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 will begin at 6:30pm (check INFORMATION SHEET section of this packet for dates and venues). 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, and make up for the missed meeting by completing one extra hour of service, social or professional development. Attendance at Elections can only be made up by an extra service hour, 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 April 7, 2020 . Service events are scheduled via the website (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 chair (tbp.website@umich.edu).

***At least FIVE of these service hours must be completed before March 17, 2020**

III. TWO SOCIAL EVENTS

Complete at least TWO* social events before April 7, 2020 . 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 March 17, 2020**

IV. TWO GRAD ELECTEE TEAM ACTIVITIES

Attend at least TWO* Graduate Electee Team Activities before April 7, 2020 . 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 January 24th 2020 (Friday), 7:30PM 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 your résumé, & (iii) sign up for ONE in-person interview on the website before January 24th at 11:59pm.** The electee questionnaire can be found under Electee Resources on the website (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 last about 30 minutes. **Interviews will be held on January 27th, 28th and 30th.** Detailed information on the Electee Questionnaire and Interview can be found in the CHARACTER EVALUATION section of this packet.

VI. MENTORSHIP

Participate in the active-electee mentorship program The goals of this program are to develop connections between active TBP members and electees, provide insight into the electing process, and offer academic and career guidance. Watch for an email from the mentorship coordinators with further instructions about program requirements and a survey for pairing you with a mentor.

VII. FORMS & PAPERWORK

i. **Submit the following completed forms before February 4, 2020 :**

- (a) Graduate Electee Advisor Form* (copy included in packet)
- (b) Online Graduate Education Form* (http://tbp.engin.umich.edu/members/electees/submit_education_form)

*If you are a PhD student but will be receiving a Masters degree along the way (check with your program's Graduate Coordinator!), please circle "Masters" in Form (a), & in Form (b) list both Masters and PhD under the "Degrees" section. **If you will NOT be receiving a Masters degree along the way of you PhD, please email the Graduate Vice President.**

ii. **Complete the Youth Protection Training by February 18, 2020 .** Please see the "MINORS ON CAMPUS POLICY" section of this packet for more details.

iii. **Complete the Catalog Card online before March 10, 2020 .** More details will be provided by the Secretary (Ike Smith) later.

VIII. MEMBERSHIP DUES

Pay the membership fee of \$100 to the Treasurer (Joe Rottner) before April 7, 2020 .

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 Joe Rottner at his office hours. Checks should be made out to "Tau Beta Pi Michigan Gamma". You may also pay in cash by placing it in an ENVELOPE with your NAME on it. An electronic payment method will also be an option (more details to come). If this fee poses a significant financial burden, please reach out to the Graduate Vice President for more information about a fee waiver as soon as possible

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 - Winter 2020

Tau Beta Pi MI-G

Tau Beta Pi
The Engineering Honor Society

The following projects and descriptions are examples of some of the service projects that our chapter has carried out in the past. Because the actual list of service projects that will be done this semester will likely change over the course of the semester, we cannot provide you with a definitive calendar of service projects. 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. If you are interested please contact Service Coordinator Sydney Erickson (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. To view a more complete list follow this link: goo.gl/FO0Ik0.

Adopt-A-Highway: MDOT created Adopt-A-Highway in 1990 to improve the beauty of our highway roadsides with community help. With the help of 6-12 TBP members, we clean a stretch of Fuller Road near North Campus.

Arb Restoration: If you like the outdoors, this project is for you! We help to keep the Nichols Arboretum the beautiful place it is by clearing out dead trees, picking up litter, and performing assorted groundskeeping tasks. Previous projects have included maintenance and re-routing of the stream that runs through it, planting, and various other types of light outdoor work.

Book Swap: TBP organizes this COE-wide event to help students buy and sell used books. First, students can bring in their used books and set their asking price. Next, other students stop by to peruse our selection and purchase used books. Project leaders should ideally be in Ann Arbor a week or two before school starts to set this up.

Botanical Gardens: The University of Michigan has its very own Matthaei Botanical Gardens that houses exotic plants from around the world. Volunteer opportunities range from planting/maintaining the gardens to administrative work.

Cancer Center: The U-M Comprehensive Cancer Center provides its patients diagnostic, treatment, and support services in a collaborative environment. Past projects include putting together patient information packets for clinics and preparing Valentine bags of homemade cards and candy for patients.

Cub Scout Day: Cub Scout Day is an activity hosted by TBP that allows local Cub Scouts to come to campus and earn their Engineering Pin. Activities include an electronics module, a bridge module, a catapult module, and the most exciting part: designing a landing craft for an egg drop! Volunteering activities may include helping the Scouts during the modules, leading a module, set up and clean up, and more.

Detroit Partnership Pen Pals: TBP pairs with the Detroit Partnership and the Society of Physics Students to provide pen pal mentors for 80 second through eighth grade students at Michigan Technical Academy in Detroit. The project entails writing one detailed letter each month and attending a brief orientation to make a meaningful impact on the life of a Detroit student. Young people need mentors, and even though you might sometimes be nerdy and awkward, you also might be exactly the sort of person who can inspire them.

Diag Clean-up: Work with fellow TBP members to help clean the North or Central campus Diag and its surrounding areas.



CHARACTER EVALUATION - Winter 2020

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, four short answer questions, and one essay question. Please note that this questionnaire (and a copy of your résumé) are due by **January 24th at 11:59pm** by submitting them through the website. The questionnaire can be found under Members → Electee Resources while your résumé should be submitted to your website profile. Submit your **essay and résumé** by **January 24th at 11:59pm**.

Some of the short answer 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 question 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**. Be ready to discuss your answers during your interviews.

Interviews:

The interview is the most important part of character assessment. Interviews will be held **January 27th, 28th and 30th** in Duderstadt Conference Rooms A,B. Each interview should last about 30 minutes and starts no later than 5 minutes after the scheduled start time (to allow for travel from classes). Dress code is business formal. 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 **January 24th at 11:59pm**. Sign up for a graduate electee interview on the website (tbp.engin.umich.edu).

Interview Dates: **January 27th, 28th and 30th**

Location: **Duderstadt Conference Rooms A,B**

Requirements: **Dress is business-formal**

Sign up for a graduate electee interview under "Events" at tbp.engin.umich.edu.

Submit your questionnaire answers under **Members → Electee Resources at tbp.engin.umich.edu** and your résumé to your website profile by **January 24th at 11:59pm**.

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).

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)



Tau Beta Pi
The Engineering Honor Society

MINORS ON CAMPUS POLICY - Winter 2020

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, he or she 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://tinyurl.com/tbp-w20-backgroundcheck>). 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) by February 18, 2020 in order to volunteer with youth at MindSET, Cub Scout Day or Merit Badge day. 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. It takes around an hour to complete and can be found at 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).

Submission of your YPT certificate, proving that you have completed the online training, should be completed by February 18, 2020 . Upload the YPT certificate using the following link <https://tinyurl.com/tbp-w20-volunteerconfirm>

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 William Chung and John Serger (tbp.k12outreach@umich.edu).

To summarize, please have the following done by their respective due dates*:

- __ 1. University of Michigan background check. Take a screenshot of the final page of the survey and send to 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 by **February 18, 2020** and upload certificate to <https://tinyurl.com/tbp-w20-volunteerconfirm>

*If you miss any of these deadlines but wish to participate in events involving youth, you may contact the TBP Service Coordinator (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: Saturdays, March 14, 21 and 28th

Cub Scouts Day: Sunday, March 22nd

Merit Badge Day: TBD



GRADUATE ELECTEE CHECKLIST – Winter 2020

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

Done?	Date Due	Requirements
_____	Jan 21, Tuesday	First General Meeting**
_____	Jan 24, Friday	First grad electee team meeting**
_____	Jan 25, Saturday	Create profile on website
_____	Feb 4, Tuesday	Second General Meeting** Submit AAPS, Advisor, and OGEF forms Online electee questionnaire Sign-up for interview
_____	Feb 11, Tuesday	Second Actives [DON'T ATTEND!] Complete interview One grad electee team meeting 3 service hours total (recommended)
_____	Feb 18, Tuesday	Third General Meeting** Youth Protection Training
_____	Mar 10, Tuesday	Fourth General Meeting** Complete catalog card
_____	Mar 17, Tuesday	Third Actives [DON'T ATTEND!] 5 service hours total (required) 1 social event total (required)
_____	Mar 31, Tuesday	Elections**
_____	Apr 07, Tuesday	Fifth General Meeting** Complete 10 service hours total Complete 2 social hours total (one grad social) Attend 2 grad electee team meetings total Pay \$100 dues to Treasurer
_____	Apr 11, Saturday	Initiation*** and Banquet

****indicates REQUIRED MEETING.** If you cannot attend a meeting, please inform the Graduate Vice President, you can make up for the missed general meeting by completing one extra hour of service, social or professional development. Elections can be made up only by an extra service hour.

*****indicates MANDATORY MEETING.** This requirement CANNOT be made up, please inform the Graduate Vice President as soon as possible if you are unable to attend initiation.



Tau Beta Pi
The Engineering Honor Society

To: Olamide Animasahun
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 (April 11, 2020) 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 Olamide Animasahun , MI-G Graduate Student Vice President, at 1226 EECS before February 4, 2020 .