Spring 2027 Registration Guide for AAE Graduate Students

On-Campus students: Spring registration runs **Oct. 19 – Nov. 20** (5pm) and then again **Dec. 7**, forward.
(You should plan to register in the first window as some classes will fill up VERY quickly.)
Online students: Spring 2027 registration begins **October 19** and will remain open.
Summer 2027 registration opens **January 19** and will remain open for all students (same spring PIN).

Retrieve Registration PIN and check for any holds

- Retrieve your registration PIN at https://engineering.purdue.edu/BannerPin

Reminder: You may need to submit a plan of study for your PIN to be available. MS students must submit a plan of study before registering for the second semester and PhD before registering for the third semester. See resources on plan of study webpage.

- Be sure to check myPurdue for any registration holds that may prevent you from registering (differs from PIN holds). New students may have a hold to submit final official transcripts from previous institution to gradadm@purdue.edu
- Time tickets open at various times on Oct. 19, check your specific time under "Registration Notices" in myPurdue

Adding classes via Scheduling Assistant in myPurdue

- The Spring 2027 schedule of classes will be available to view in myPurdue on **Monday, October 12, 2026**
- To add your course(s) once registration opens locate and use the Scheduling Assistant in myPurdue. If you need an override for the course the system will ask you if you'd like to submit a request for approvals.

Consult with your advisor and/or your existing plan of study

- Contact your faculty advisor or the Graduate Office to determine if the courses you selected are appropriate, or refer to your approved Plan of Study if you have one in place.
    - You, with your faculty advisor's guidance, are responsible for following your plan of study, submitting changes to your plan of study as needed, satisfying qualifying exam conditions (PhD), etc.
    - **Incoming students**: You can reach out to the AAE Graduate Office or Prof. Sun for first-semester course selection advice or reach out to professors in your focus area for advice. You'll spend your first semester identifying a faculty advisor and drafting your plan of study for future terms. New on-campus MS students may consider taking a course toward the math requirement along with two focus area courses, or one focus area and one secondary area course. We recommend online students take only one course in the first semester.

Candidacy/ Graduation (required of ALL students intending to graduate in May 2027)

- To declare candidacy to graduate in May 2027, request to register for CAND 991 in the Scheduling Assistant by **February 5th.** This applies to all MS non-thesis, MS thesis, and PhD students intending to graduate, as well as students completing any grad certificates. It is not automatic and students must declare candidacy. PhD and MS thesis students requesting exam-only candidacy email aaegradoffice@purdue.edu. See the candidate process here.

Thesis research (Spring requests are due by **NOON on Friday, January 15th**)

- **To register for thesis research,** send the Grad Office (aaegradoffice@purdue.edu) an email with the following details:
    - Your PUID
    - Semester of registration request (Spring 2027)
    - Course number (699 or 698)
    - Your professor's CRN (you can find this on the schedule of classes in myPurdue, or below)
    - The amount of credit hours you would like to have added
    - Copy your advisor on the email request
- If you will be conducting **off-campus research**, please also submit a **Form 19** in the plan of study system.

It is your responsibility to check your registration in myPurdue to confirm that your request has been correctly processed (correct professor, correct amount of credit hours, etc.)

Spring 2027 AAE Course Offerings			
Course Number	**Course Name**	**Instructor**	**Focus Area**
51200*	Computational Aerodynamics	Shih	Aerodynamics Propulsion
51400*	Intermediate Aerodynamics	Bane	Aerodynamics
52000	Experimental Aerodynamics	Chynoweth	Aerodynamics
52100	Plasma Laboratory	Shashurin	Aerodynamics Propulsion
52900*	Non-Equilibrium Hypersonic Flow	Poggie	Aerodynamics
53900*	Advanced Rocket Propulsion	TBD	Propulsion; Space Systems Major (Elective)
54200*	Data Science in Mechanics of Materials	Tomar	Structures and Materials
54600	Aerospace Structural Dynamics and Stability	Martinez-Guo	Structures and Materials; Space Systems Major (Elective)
55200*	Nondestructive Evaluation of Structures and Materials	Tallman	Structures and Materials
55500*	Mechanics of Composite Materials	Yu	Structures and Materials
56000*	Sytems-of-Systems Modeling and Analysis	Guarinello	Aerospace Systems; Space Systems Major (Core)
56700	Introduction to Applied Stochastic Processes	Frazho	Autonomy and Control
56800	Applied Optimal Control and Estimation	Hwang	Autonomy and Control
57300*	Aerospace Human Factors	Caldwell	Aerospace Systems; Space Systems Major (Elective)
59000 ACA*	Appl Control in Astronautics	Oguri	Astrodynamics and Space Applications
59000APM	Adv Aerospace Prop Modeling	Maeda	Propulsion
59000HS	Human Spaceflight	Moses	Aerospace Systems
59000LGP	Lie Group Methods	Goppert	Autonomy and Control
59000PIN	Principles of Inertial Navigation	DeMars	Astrodynamics and Space Applications
59000QTAE	Quantum Tech for Aerospace	Li	TBD
59000 SMO*	Surrogate Methods	Leifsson	Aerospace Systems
59000 SPA*	Spacecraft Attitude Dynamics	Howell	Astrodynamics and Space Applications
59000*	Innovation, Entrepreneurship and Ethics in Aero Eng	Tomar	Engineering Leadership
59000	Space Policy	Dumbacher	*Only 1 credit; 2nd 8 weeks*
61300	Viscous Flow Theory	Schneider	Aerodynamics
62600*	Turbulence and Turbulence Modeling	Blaisdell	Aerodynamics
66600	Nonlinear Dynamics, Systems, and Control	Corless	Autonomy and Control
67500*	Advanced Signals and Systems for Satellite Navigation	Garrison	Astrodynamics and Space Applications; Space Systems Major (Elective)

** online availability*

This list is limited to grad-level AAE courses for Spring 2027 and is subject to change. There are plenty of other course options from other departments (see the "Schedule of Classes" in myPurdue). Review reccomended prerequisites and course descriptions in myPurdue or information available at https://engineering.purdue.edu/online/courses/list

SPRING 2027 Research CRNs

Course	Course Title	CRN	Professor
69800	MS Thesis Research	10144	Alexeenko, Alina
69900	PhD Thesis Research	10165	Alexeenko, Alina
69800	MS Thesis Research	27389	Arnas Martinez, David
69900	PhD Thesis Research	27394	Arnas Martinez, David
69800	MS Thesis Research	23853	Arrieta Diaz, Andres
69900	PhD Thesis Research	23858	Arrieta Diaz, Andres
69800	MS Thesis Research	66284	Bane, Sally Pm
69900	PhD Thesis Research	66288	Bane, Sally Pm
69800	MS Thesis Research	10154	Blaisdell, Gregory A
69900	PhD Thesis Research	10178	Blaisdell, Gregory A
69800	MS Thesis Research	23899	Caldwell, Barrett S
69900	PhD Thesis Research	23900	Caldwell, Barrett S
69800	MS Thesis Research	33018	Canino, James Vincent
69800	MS Thesis Research	36537	Capannolo, Andrea
69900	PhD Thesis Research	47110	Capannolo, Andrea
69900	PhD Thesis Research	10169	Chen, Weinong W
69800	MS Thesis Research	10157	Chynoweth, Brandon C
69900	PhD Thesis Research	33081	Chynoweth, Brandon C
69800	MS Thesis Research	10155	Collicott, Steven H
69900	PhD Thesis Research	10179	Collicott, Steven H
69800	MS Thesis Research	10153	Corless, Martin
69900	PhD Thesis Research	10177	Corless, Martin
69800	MS Thesis Research	10141	Crossley, William A
69900	PhD Thesis Research	10162	Crossley, William A
69800	MS Thesis Research	27388	Dai, Ran
69900	PhD Thesis Research	27395	Dai, Ran
69800	MS Thesis Research	10143	Delaurentis, Daniel A
69900	PhD Thesis Research	10164	Delaurentis, Daniel A
69800	MS Thesis Research	39534	Demars, Kyle
69900	PhD Thesis Research	39542	Demars, Kyle
69800	MS Thesis Research	66795	Frazho, Arthur E
69900	PhD Thesis Research	10174	Frazho, Arthur E
69800	MS Thesis Research	17693	Frueh, Carolin E
69900	PhD Thesis Research	17694	Frueh, Carolin E
69800	MS Thesis Research	10142	Garrison, James L

Course	Course Title	CRN	Professor
69900	PhD Thesis Research	10163	Garrison, James L
69800	MS Thesis Research	66281	Goldenstein, Christopher S
69900	PhD Thesis Research	24786	Goldenstein, Christopher S
69800	MS Thesis Research	28517	Goppert, James Michael
69900	PhD Thesis Research	10171	Goppert, James Michael
69800	MS Thesis Research	13146	Gore, Jay P
69900	PhD Thesis Research	13641	Gore, Jay P
69900	PhD Thesis Research	12688	Grant, Michael J
69800	MS Thesis Research	30948	Guo, Zherui
69900	PhD Thesis Research	17699	Guo, Zherui
69800	MS Thesis Research	39540	Hanquist, Kyle Matthew
69900	PhD Thesis Research	39544	Hanquist, Kyle Matthew
69800	MS Thesis Research	10145	Heister, Stephen D.
69900	PhD Thesis Research	10166	Heister, Stephen D.
69800	MS Thesis Research	23394	Horgan, Briony H
69800	MS Thesis Research	10148	Houim, Ryan William
69900	PhD Thesis Research	39543	Houim, Ryan William
69800	MS Thesis Research	10152	Howell, Kathleen
69900	PhD Thesis Research	10176	Howell, Kathleen
69800	MS Thesis Research	10146	Hwang, Inseok
69900	PhD Thesis Research	10167	Hwang, Inseok
69800	MS Thesis Research	27387	Jewell, Joseph S
69900	PhD Thesis Research	27399	Jewell, Joseph S
69800	MS Thesis Research	10150	Key, Nicole Leanne
69900	PhD Thesis Research	60730	Key, Nicole Leanne
69800	MS Thesis Research	20465	Kwok, Ka Wai
69900	PhD Thesis Research	15172	Kwok, Ka Wai
69800	MS Thesis Research	23569	Legrand, Keith Allen
69900	PhD Thesis Research	23571	Legrand, Keith Allen
69800	MS Thesis Research	27390	Leifsson, Leifur Thor
69900	PhD Thesis Research	27396	Leifsson, Leifur Thor
69800	MS Thesis Research	23570	Li, Husheng
69900	PhD Thesis Research	20457	Li, Husheng
69800	MS Thesis Research	55613	Lucht, Robert P
69900	PhD Thesis Research	55150	Lucht, Robert P
69800	MS Thesis Research	17698	Maeda, Kazuki
69900	PhD Thesis Research	10172	Maeda, Kazuki

Course	Course Title	CRN	Professor
69900	PhD Thesis Research	23919	Mansson, Jan-Anders E
69800	MS Thesis Research	45832	Marais, Karen
69900	PhD Thesis Research	60511	Marais, Karen
69800	MS Thesis Research	26878	Mcclain, Monique Suzanne
69900	PhD Thesis Research	20469	Mcclain, Monique Suzanne
69800	MS Thesis Research	23009	Meyer, Terrence R
69900	PhD Thesis Research	23010	Meyer, Terrence R
69800	MS Thesis Research	20537	Minton, David A
69900	PhD Thesis Research	20538	Minton, David A
69800	MS Thesis Research	19275	Mou, Shaoshuai
69900	PhD Thesis Research	19280	Mou, Shaoshuai
69800	MS Thesis Research	21630	Oguri, Kenshiro
69900	PhD Thesis Research	27397	Oguri, Kenshiro
69800	MS Thesis Research	13872	Paniagua Perez, Guillermo
69900	PhD Thesis Research	36871	Paniagua Perez, Guillermo
69800	MS Thesis Research	10160	Pipes, R Byron
69900	PhD Thesis Research	36873	Pipes, R Byron
69800	MS Thesis Research	19276	Poggie, Jonathan
69900	PhD Thesis Research	19281	Poggie, Jonathan
69800	MS Thesis Research	12943	Pourpoint, Timothee Louis
69900	PhD Thesis Research	55305	Pourpoint, Timothee Louis
69800	MS Thesis Research	35539	Qiao, Li
69900	PhD Thesis Research	37261	Qiao, Li
69800	MS Thesis Research	66283	Sangid, Michael D
69900	PhD Thesis Research	66287	Sangid, Michael D
69800	MS Thesis Research	24090	Scalo, Carlo
69900	PhD Thesis Research	24690	Scalo, Carlo
69800	MS Thesis Research	10149	Schneider, Steven P
69900	PhD Thesis Research	10170	Schneider, Steven P
69800	MS Thesis Research	23918	Semperlotti, Fabio
69900	PhD Thesis Research	10180	Semperlotti, Fabio
69800	MS Thesis Research	19279	Shashurin, Alexey
69900	PhD Thesis Research	19285	Shashurin, Alexey
69800	MS Thesis Research	47352	Shih, Tom I-P.
69900	PhD Thesis Research	47353	Shih, Tom I-P.
69800	MS Thesis Research	19277	Slabaugh, Carson D
69900	PhD Thesis Research	19282	Slabaugh, Carson D

Course	Course Title	CRN	Professor
69800	MS Thesis Research	36753	Son, Steven F
69900	PhD Thesis Research	60782	Son, Steven F
69800	MS Thesis Research	45834	Sun, Dengfeng
69900	PhD Thesis Research	45836	Sun, Dengfeng
69800	MS Thesis Research	19278	Tallman, Tyler N
69900	PhD Thesis Research	19283	Tallman, Tyler N
69800	MS Thesis Research	33614	Tanaka, Takashi
69900	PhD Thesis Research	33615	Tanaka, Takashi
69800	MS Thesis Research	45833	Tomar, Vikas
69900	PhD Thesis Research	45835	Tomar, Vikas
69800	MS Thesis Research	66282	Wang, Haifeng
69900	PhD Thesis Research	66286	Wang, Haifeng
69800	MS Thesis Research	12951	Yu, Wenbin
69900	PhD Thesis Research	12952	Yu, Wenbin
69800	MS Thesis Research	10151	Zhang, Dianyun
69900	PhD Thesis Research	27398	Zhang, Dianyun