

**Armament Graduate School Application**  
**Armament Graduate School, Grimes Hall**  
**Bldg. 3411 Old Belt Road, Picatinny Arsenal, NJ**

The Armament Graduate School has a singular degree program, a Doctorate of Philosophy (Ph.D.) in Armaments Engineering. The purpose of this program is to develop the next generation of Armament Engineers and enhance the current community of innovators, scientists, teachers, and leaders focused on the research in and advancement of the field of Armaments Engineering. In support of this goal, the Faculty have determined that, in addition to academic abilities, the following qualities are necessary for Students to be successful throughout the program.

- Successful applicants must demonstrate a passion for learning across a broad range of subjects, possess a self-driven search for knowledge, cognitive flexibility, self-motivation, persistence, perseverance, good time/resource management skills, good technical communication skills, personal accountability, and commitment to the Army values.
- As this is an interdisciplinary academic program, there may be areas where foundational knowledge was not obtained from a prior undergraduate or graduate program or through job-related training. Therefore, AGS students must be self-motivated self-learners.
- As this program is a Ph.D. program, students must have an interest in engineering research.

What to expect as a student at AGS:

- AGS is a Ph.D.-level program. All students are expected to conduct research during their academic career, while also developing their oral and written communication skills in order to communicate their ideas
- Students must have the ability to balance coursework with work for their home organization and other personal and professional responsibilities. Students must be aware of the time commitments required for the program. Students should expect between 8 to 12 hours of outside the classroom, and outside of official time, for studying and completing assignments, per week, per three-credit course. Students can expect time spent on dissertation research to exceed the three-credit-equivalent coursework hours.
- Due to the broad scope of the curriculum, Students will, at times, need to self-teach or review topics at their own discretion and in addition to course assignments for success in any given course.
- Attending AGS involves an agreement between the Supervisor and the School that allows students to attend courses for which they are registered or approved to audit during the workday on Fridays. All other coursework must be done outside of official time. Students should have the support of their supervisors to be successful in the program.
- AGS is a unique school in that the Students and the Instructors are also coworkers and colleagues who likely have either worked with each other in the past or will work with each other in the future. A high level of respect, effort, and professionalism should be put into this academic program to ensure mutual respect and improved collaborations down the line.

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**Your Information**

**Name**

**First**

**Middle Initial**

**Last**

**Suffix (Jr., III, etc.)**

**Previous Name** (other name under which your transcripts might appear)

**Name**

**First**

**Middle Initial**

**Last**

**Suffix (Jr., III, etc.)**

**Home Address**

**Street Address**

**Apartment**

**City**

**State**

**Zip/Postal Code**

**Cell Phone**

**Work Address**

**ESIC, METC, WSEC, HQ, etc.**

**Complete Office Symbol (FCDD-XXXX-XX)**

**Work Phone**

**Work Email**

**Supervisor Name**

**Supervisor Email**

**Ethnic Background**

This information is optional and will be used for statistical purposes only.

**American Indian or Alaskan Native**

**Asian**

**Black or African American**

**Native Hawaiian or Other Pacific Islander**

**White**

**Other**

**Are you Hispanic or Latino? Yes No**

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Please complete the following steps and use the following email [[usarmy.pica.devcom-ac.list.armament-graduate-school@army.mil](mailto:usarmy.pica.devcom-ac.list.armament-graduate-school@army.mil)] when sending attached application materials or referencing for Official Transcript deliveries (via college/university registrar or transcript service i.e. Parchment). An admissions committee will review your application and credentials. If you have questions about the admission process or about your admission decision, please email (above) and an AGS staff member will respond. An AGS staff member may contact you if there are questions about your application or supporting documents. If you are admitted, a message confirming admission will be sent to the email address you provide on your application.

- **Step 1:** Submission of Academic Records (Official Transcripts) in English. Applicants that have transcripts in a foreign language shall submit the original transcript and a Certified translated transcript addressing equivalency to US degree programs and courses when applying.
- **Step 2:** Indicate undergraduate-level coursework or equivalent degree credits or placement requirements (such as Advanced Placement Credits) in the following courses you have taken which meet AGS admissions requirements, being careful to indicate (Yes/No) and to name the course name as displayed exactly on your transcript:

▪ Calculus I (Differential Calculus)	Yes	No
○ Course displayed on transcript		
▪ Calculus II (Integral Calculus)	Yes	No
○ Course displayed on transcript		
▪ Calculus III (Multivariable Calculus)	Yes	No
○ Course displayed on transcript		
▪ Differential Equations	Yes	No
○ Course displayed on transcript		
▪ General Physics OR General Chemistry (lab-based)	Yes	No
○ Course displayed on transcript		
▪ Computer Programming	Yes	No
○ Course displayed on transcript		

- **Step 3:** Indicate degree(s) earned:

▪ Aerospace Engineering	B.S.	Master's	Doctoral
▪ Chemical Engineering	B.S.	Master's	Doctoral
▪ Computer Engineering	B.S.	Master's	Doctoral
▪ Electrical Engineering	B.S.	Master's	Doctoral
▪ Mechanical Engineering	B.S.	Master's	Doctoral
▪ Chemistry	B.S.	Master's	Doctoral
▪ Materials Science	B.S.	Master's	Doctoral
▪ Metallurgy	B.S.	Master's	Doctoral
▪ Physics	B.S.	Master's	Doctoral
▪ Computer Science	B.S.	Master's	Doctoral
▪ Data Science	B.S.	Master's	Doctoral
▪ Mathematics	B.S.	Master's	Doctoral
▪ Other (1)	B.S.	Master's	Doctoral
▪ Other (2)	B.S.	Master's	Doctoral

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- **Step 4:** Have your First-Line Supervisor write a letter of recommendation which answers the following prompt:
  - Prompt – The AGS Doctoral Program is an academically rigorous program and requires the student to attend classes and perform research during working hours one day a week for a number of years while enrolled in the program, temporarily reducing the time of their direct contributions to the work of their home organizations. Honestly assess the technical ability and work ethic of this employee and the potential benefit to the Army from this type of investment in them.
  
- **Step 5:** Write an essay assessing your technical qualities (problem solving, critical thinking, and technical abilities) which answers the following prompt:
  - Prompt – The Armament Graduate School allows Army Scientists and Engineers to perform self-directed research that benefits the Army under the supervision of technical experts while working toward a graduate degree. In about a page or less, describe, in the form of an essay, a technical problem or research problem that you have encountered in the past (work, school, or extracurricular activities, etc.) without having the necessary background knowledge or data at the outset. How did you approach the problem? What was successful, and what went wrong? What would you do differently next time? Note that your application package will be reviewed by technical experts, but they may not work in your specific field. Your submitted essay must be your own work. The veracity of your responses is paramount. External help, including AI tools such as ChatGPT, to generate your essay is forbidden. By submitting your application, you are consenting to evaluation of your essay using AI detection tools.
  
- **Step 6:** Write an essay assessing your non-technical qualities (interest in the program and likelihood to succeed) which answers the following prompt:
  - Prompt – The Armament Graduate School is a rigorous, multidisciplinary academic program with the goal of developing independent researchers. In about a page, please describe, in the form of an essay, why you are applying to the program and why you think you can succeed in this program. Keep in mind, you have provided your transcript(s) for our consideration. If you would like, you may describe any details, academic or otherwise, which you would like the committee to consider. You may also provide justifications for any grades that fell below your usual standards. If you also have a non-STEM degree that you believe will be beneficial for your research, please explain. Your submitted essay must be your own work. The veracity of your responses is paramount. While the use of grammar and spell-checking tools is permitted, use of AI tools, such as ChatGPT, to generate your essay is forbidden. By submitting your application, you are consenting to evaluation of your essay using AI detection tools.

**Signature**

I understand that I am responsible for submitting complete and accurate information as it relates to my application form and all related application materials. I certify that the information contained in this application form, and in all application materials, is complete and accurate, and I understand that submission of inaccurate information by me or at my direction may be sufficient cause for terminating my enrollment. I understand that I am required to notify Armament Graduate School Admissions if any of the information provided on this application for admission changes after submission. AGS reserves the right to alter terms of admission, up to and including revocation of the admission offer, if necessary.