

CENTRAL NEW YORK CHAPTER
MID-ATLANTIC STATES SECTION OF THE
AIR & WASTE MANAGEMENT
A S S O C I A T I O N
2025 Scholarship Application

To be eligible, all blanks must be completed.

Applicant Information

Name: _____ Phone: () -
Street Address: _____ Email: _____
City: _____ State: Zip Code: -
Birth Date (mm/dd/yyyy): / /

School Information

Current grade level: _____
Name of School: _____
Anticipated Graduation Date (mm/yyyy): / Grade Point Average: _____
SAT/ACT Score: / / Class Rank: Out of: _____

Honors or Awards Received:

Extracurricular Activities:

Hobbies:

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Community Service:
Education Goals:
Career Goals:
Current Employer (if any) and Hours per Week:
Specify what college(s) or university(s) you will be attending/have applied to or are currently attending:
Actual/Intended Major:
Briefly explain why you chose to apply for this scholarship:

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Essay Questions

Please complete a thoughtful, original typed response to one of the four following questions. The essay should be at least 500 words. Indicate the essay question number on your response.

1. Artificial intelligence (AI) refers to the theory of computer systems that are capable of performing complex tasks that historically required human intelligence, such as recognizing speech, reasoning, making decisions or solving problems, and identifying patterns. What role do you see in AI in addressing environmental issues and advancing environmental science/engineering? What are the potential benefits and drawbacks of AI in this field? Provide specific examples to support your evaluation.
2. Business and industry often receive publicity for the negative environmental impacts of their operations. Some corporations are making significant progress in minimizing their environmental footprint. Provide an example of a corporation implementing such measures, explain why you think the program has significant value, and describe how a particular aspect of the program could potentially be adapted for use by a wide range of businesses.
3. On July 18, 2019, the Climate Leadership and Community Protection Act (Climate Act) was signed into law. New York State's Climate Act is among the most ambitious climate laws in the nation and requires New York to reduce greenhouse gas emissions 40 percent by 2030 and no less than 85 percent by 2050 from 1990 levels. As such, New York State needs to add large amounts of new renewable resources such as wind, solar, and hydropower (in the order of tens of thousands of MWs) over the next decade to meet the requirements under the Climate Act. Explain what you see as the advantages and disadvantages of transitioning to renewable energy sources while taking into consideration the economic, environmental, and social impacts for both urban and rural areas.
4. Choose a particular environmental problem that you are passionate about and explain how engineering and sciences can be used to improve or manage the problem. Please explain why this issue matters to you personally and how the solution will impact the environment and society. What are the challenges or limitations and how can they be overcome?

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Certification and Release Authorization

The following information must be completed in order for the applicant to be considered for the scholarship award.

I certify that this information is true, complete, and accurate. I also authorize the release of this information to confirm and/or verify this application.

Student's Signature: _____ Date: _____

Parent/Guardian Signature: _____ Date: _____

Note: Parent or Guardian signature is required if the applicant is less than 18 years old.

Checklist

For a submission to be considered for an award, it must be complete. The following items are ALL required.

1. Completed and signed application, typed or neatly printed. All blanks must be filled in. Attach to the completed application the following:
 - a. Essay.
 - b. School transcript (copies *are* acceptable but must be legible and are subject to verification).
 - c. A minimum of two letters of recommendation; one must be from a teacher/professor, the other(s) may be from someone not related to the applicant.

Application materials must be post marked or received via email by March 3, 2025.

Mail completed application forms to: AWMA Scholarship Program
c/o Jason Dittman
307 Hampshire Drive
Syracuse, NY 13214

Electronic submittals may be made to: Jason Dittman
jason.dittman@gmail.com