

DEGREE MAP

ENERGY TECHNICIAN: ELECTRICAL OPTION, AAS

Follow this map to graduate in two years, though other paths are possible. Contact an advisor on My LaGuardia for additional support or if you require developmental courses. See reverse for additional information.

SEMESTER 1

Course	Category	Priority	Credits	Session
ENG101 English Composition I	RC	x	3 (4hrs)	I
MAT115 College Algebra and Trigonometry	RC	x	3 (4hrs)	I
MAE100 Introduction to AutoCAD ¹	PC	x	3 (4hrs)	I
MAE109 Introduction to Engineering ²	PC		2 (3hrs)	I
MAE102 Electrical Drafting & Blue Print Reading ³	PC		2 (3hrs)	II

SEMESTER 2

Course	Category	Priority	Credits	Session
ENG259 Technical Writing	RC	x	3	I
MAT200 Precalculus ⁴	FC	x	4 (5hrs)	I
SCP101 Topics in Physics	RC		3 (4hrs)	I
MAC241 Computer Electronics I ⁵	PC		4 (6hrs)	I
MAE110 Circuits Analysis I ⁶	PC		3 (4hrs)	II

SEMESTER 3

Course	Category	Priority	Credits	Session
MAT201 Calculus ⁷	PC	x	4	I
MAE111 Circuits Analysis II ⁸	PC	x	3 (4hrs)	I
MAC242 Computer Electronics II ⁹	PC		3 (4hrs)	I
MAC291 Computer Logic, Design & Implementation I ¹⁰	PC		4 (5hrs)	II

SEMESTER 4

Course	Category	Priority	Credits	Session
MAC292 Computer Logic, Design & Implementation II ¹¹	PC	x	4 (5hrs)	I
MAE208 Electromechanical Devices ¹²	PC		3 (4hrs)	I
Flexible Core Course Option	FC		3	I
Unrestricted Elective (MAE122 recommended/3 credits)	PC		2	I
Flexible Core Course Option (Urban Studies)	FC		3	II

Register in CUNYfirst for "Intent to Graduate" (GRD000) in your final semester.



DEGREE FULFILLMENT

- 12 credits Pathways Required Core (RC)
- 10 credits Pathways Flexible Core (FC)
- 38 credits Program Core (PC)
- 60 credits Total

laguardia.edu/EnergyTechnician

Effective Fall 2019-Spring 2020 Catalog. Reviewed July 2019.
Check Degree Audit and speak to an advisor if you enrolled prior to the listed catalog year.

PRE-/CO-REQUISITES

Refer to the Pre- and Co- Requisite List below to best select courses for each semester.

PRE-REQUISITE A pre-requisite course must be completed prior to taking another course.

CO-REQUISITE Co-requisite courses must be taken during the same session as another course.



1. MAE100 PRE: ENG 99 & MAT 96
2. MAE109 PRE: CSE 99 & ENG 99 & MAT 96
3. MAE102 PRE: MAE 109
4. MAT200 PRE: MAT115/117
5. MAC241 PRE: None
6. MAE110 PRE: MAE 109& MAT 115 & ENG 259
7. MAT201 PRE: MAT200
8. MAE111 PRE: MAE 110 & PRE/CO MAT 200
9. MAC242 PRE: MAC 241
10. MAC291PRE: MAC 241 & MAT 241
11. MAC292 PRE: MAC 291 & MAT 241
12. MAE208 PRE: MAE 111 & ENG 259

NOTE

*Note: due to a change in MAE100, formerly a 4-credit course and as of Fall 2019 a 3-credit course, there is a total of 59 credits listed. Students are recommended to take MAE 122, a 3-credit course, to reach 60 credits.

IMPORTANT NOTES

DEVELOPMENTAL COURSES Based on placement results, you may require additional preparation before entering college-level English or Math courses. Options can include a) developmental courses such as ENA099 or MAT095; b) English-as-a-Second-Language (ESL) courses; c) Co-requisite courses such as ENA/ENC101, CSE111, or MAT117/119/123; or d) CUNY Start.

Speak to an advisor to find out more.

SESSIONS I AND II Each semester has two parts, Session I (12-weeks) and Session II (6-weeks). It is recommended that you take 15 credits per semester for timely graduation. For questions regarding financial aid or tuition and fees, please visit Student Financial Services in C-107.

CREDITS & HOURS Courses often meet for the same number of hours per week as academic credits awarded, but in some cases your classes meet for more hours, listed in the CREDITS column when applicable.

PRIORITY COURSES Priority Courses are important for your progress in the degree and should be taken in the suggested order.

PATHWAYS FLEXIBLE CORE You may choose Flexible Core courses based on interests or transfer goals. Speak to an advisor or view Degree Audit to see a full list of options and/or requirements. Generally, you must take courses in different categories:

- Creative Expressions
- Individual and Society
- Scientific World
- U.S. Experience in its Diversity
- World Cultures and Global Issues

URBAN STUDIES All students must complete an Urban Studies course to graduate. Urban Studies courses have an "N" at the end of the course code (e.g. HUN192).

MEC Department
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