

Record of: Cedric T Hollande
 Penn ID: 68335383
 Date of Birth: 25-JAN
 Date Issued: 16-MAY-2026

The University of Pennsylvania

Level: Professional

Primary Program

Program: School of Engineering and Applied Science
 Master of Science in Engineering
 Division : School of Engineering and Applied Science
 Masters

Major : Mechanical Engineering & Applied Mechanics
 Concentration : Mechatronic & Robotic Systems

SUBJ NO. COURSE TITLE CU GRD R

Institution Information continued:

SUBJ NO. COURSE TITLE CU GRD

R Fall 2025
 CIS 5800 Machine Perception 1.00 A+
 MEAM 5990 Master's Independent Study 1.00 A
 MEAM 6990 MEAM Seminar 0.00 S
 Ehrs: 2.00 GPA-Hrs: 2.00 QPts: 8.00 GPA: 4.00

INSTITUTION CREDIT:

Fall 2023
 MEAM 5100 Design of Mechatronic Systems 1.00 B+
 Ehrs: 1.00 GPA-Hrs: 1.00 QPts: 3.30 GPA: 3.30

Spring 2026
 ESE 6150 F1/10 Autonomous Racing Cars 1.00 A
 ESE 6500 Learning in Robotics 1.00 A-
 MEAM 6990 MEAM Seminar 0.00 S
 Ehrs: 2.00 GPA-Hrs: 2.00 QPts: 7.70 GPA: 3.85

Spring 2024
 MEAM 5200 Intro To Robotics 1.00 A
 Ehrs: 1.00 GPA-Hrs: 1.00 QPts: 4.00 GPA: 4.00

***** TRANSCRIPT TOTALS *****

| | Earned Hrs | GPA Hrs | Points | GPA |
|-------------------|------------|---------|--------|------|
| TOTAL INSTITUTION | 10.00 | 10.00 | 35.70 | 3.57 |

Fall 2024
 CIS 5200 Machine Learning 1.00 B
 MEAM 5170 Control and Optimization with Applications in Robotics 1.00 B
 Ehrs: 2.00 GPA-Hrs: 2.00 QPts: 6.00 GPA: 3.00

TOTAL TRANSFER 0.00

OVERALL 10.00 10.00 35.70 3.57

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Spring 2025
 MEAM 5430 Performance, Stability and Control of UAVs 1.00 B
 MEAM 6200 Advanced Robotics 1.00 A-
 Ehrs: 2.00 GPA-Hrs: 2.00 QPts: 6.70 GPA: 3.35

***** CONTINUED ON NEXT COLUMN *****

Record of: Cedric T Hollande
 Penn ID: 68335383
 Date of Birth: 25-JAN
 Date Issued: 16-MAY-2026

The University of Pennsylvania

Level: Undergraduate

Primary Program

Program: School of Engineering and Applied Science -
 Bachelor of Science in Engineering

Division : School of Engineering and Applied Science
 Undergraduate

Major : Mechanical Engineering & Applied Mechanics

Concentration : Dynamics, Controls & Robotics

| SUBJ NO. | COURSE TITLE | CU GRD | R |
|----------|--------------|--------|---|
|----------|--------------|--------|---|

Institution Information continued:

Degree(s) Awarded Bachelor of Science in Engineering 19-MAY-2025
 Cum Laude

Program : School of Engineering and Applied Science -
 Bachelor of Science in Engineering

Division : School of Engineering and Applied Science
 Undergraduate

Major : Mechanical Engineering & Applied Mechanics

Concentration : Dynamics, Controls & Robotics

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|-----------|--|---------|--|
| CIS 1100 | Introduction to Computer Programming | 1.00 B+ | |
| ECON 2100 | Intermediate Microeconomics | 1.00 B | |
| MATH 2400 | Calculus, Part III | 1.00 B | |
| MEAM 2020 | Introduction to Thermal-Fluids Engineering | 1.00 B+ | |
| MEAM 2100 | Statics and Strength of Materials | 1.00 A- | |
| MEAM 2470 | Mechanical Engineering Laboratory I | 0.50 A | |

| SUBJ NO. | COURSE TITLE | CU GRD | R | Ehrs: | GPA-Hrs: | QPts: | GPA: |
|----------|--------------|--------|---|-------|----------|-------|------|
|----------|--------------|--------|---|-------|----------|-------|------|

INSTITUTION CREDIT:

Fall 2021

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|--|------------------------|---------|--|
| CHEM 101 | General Chemistry I | 1.00 B | |
| MATH 104 | Calculus I | 1.00 B | |
| MEAM 110 | Intro to Mechanics | 1.00 B | |
| MEAM 147 | Intro to Mechanics Lab | 0.50 A | |
| WRIT 002 | Craft of Prose | 1.00 B+ | |
| Ehrs: 4.50 GPA-Hrs: 4.50 QPts: 14.30 GPA: 3.18 | | | |

Spring 2023

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|--|------------------------------------|---------|--|
| EAS 2030 | Engineering Ethics | 1.00 A | |
| ENM 2510 | Analytical Methods for Engineering | 1.00 A | |
| MEAM 2030 | Thermodynamics I | 1.00 A- | |
| MEAM 2110 | Engineering Mechanics: Dynamics | 1.00 B+ | |
| MEAM 2480 | Mechanical Engineering Lab I | 0.50 B+ | |
| Ehrs: 4.50 GPA-Hrs: 4.50 QPts: 16.65 GPA: 3.70 | | | |

Spring 2022

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|--|----------------------|---------|--|
| ECON 001 | Intro Econ Micro | 1.00 A- | |
| MATH 114 | Calculus II | 1.00 C+ | |
| MEAM 101 | Intro to Mech Design | 1.00 A | |
| PHYS 151 | Principles II | 1.50 B- | |
| Ehrs: 4.50 GPA-Hrs: 4.50 QPts: 14.05 GPA: 3.12 | | | |

Fall 2023

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|--|--|---------|--|
| MEAM 3200 | Mechanical/Mechatronic Sys | 1.00 B | |
| MEAM 3470 | Mech Eng Design Lab | 1.00 A | |
| MEAM 3540 | Mechanics of Solids | 1.00 B- | |
| MEAM 5100 | Design of Mechatronic Systems | 1.00 B+ | |
| MUSC 1270 | Introduction to Electronic Musicmaking | 1.00 A | |
| Ehrs: 5.00 GPA-Hrs: 5.00 QPts: 17.00 GPA: 3.40 | | | |

Fall 2022

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***** CONTINUED ON PAGE 3 *****

Record of: Cedric T Hollande
 Penn ID: 68335383
 Date of Birth: 25-JAN
 Date Issued: 16-MAY-2026

The University of Pennsylvania

Level: Undergraduate

| | | | | ***** TRANSCRIPT TOTALS ***** | | | |
|--|--|--------|----|-------------------------------|---------|--------|-------------|
| SUBJ NO. | COURSE TITLE | CU GRD | R | Earned Hrs | GPA Hrs | Points | GPA |
| Institution Information continued: | | | | TOTAL INSTITUTION | 37.00 | 36.00 | 122.70 3.41 |
| Spring 2024 | | | | TOTAL TRANSFER | 0.00 | | |
| ECON 0200 | Intro Econ Macro | 1.00 | P | OVERALL | 37.00 | 36.00 | 122.70 3.41 |
| MEAM 3210 | Dynamic Sys and Control | 1.00 | B | ***** END OF TRANSCRIPT ***** | | | |
| MEAM 3480 | Mech Eng Design Lab | 1.00 | B+ | | | | |
| MEAM 5200 | Intro To Robotics | 1.00 | A | | | | |
| STAT 4300 | Probability | 1.00 | B | | | | |
| Ehrs: 5.00 GPA-Hrs: 4.00 QPts: 13.30 GPA: 3.33 | | | | | | | |
| Fall 2024 | | | | | | | |
| ESE 2000 | Artificial Intelligence Lab: Data, Systems, and Decisions | 1.00 | A | | | | |
| ESE 4500 | Senior Design Project I - EE and SSE | 1.00 | A- | | | | |
| ITAL 0100 | Elementary Italian I | 1.00 | A | | | | |
| MATH 3120 | Linear Algebra | 1.00 | B+ | | | | |
| MEAM 5170 | Control and Optimization with Applications in Robotics | 1.00 | B | | | | |
| Ehrs: 5.00 GPA-Hrs: 5.00 QPts: 18.00 GPA: 3.60 | | | | | | | |
| Spring 2025 | | | | | | | |
| ESE 4510 | Senior Design Project II - EE and SSE | 1.00 | A- | | | | |
| MEAM 2010 | Machine Design and Manufacturing | 1.00 | A- | | | | |
| MEAM 4150 | Product Design | 1.00 | A- | | | | |
| Ehrs: 3.00 GPA-Hrs: 3.00 QPts: 11.10 GPA: 3.70 | | | | | | | |
| ***** CONTINUED ON NEXT COLUMN ***** | | | | | | | |