

2024-25 ACADEMIC COURSES

HVA 202 : AIR SYSTEM LAYOUT AND DESIGN

In this course, students will be introduced to HVAC duct airflow, industry standard designs, and indoor air quality issues related to health and comfort. Students will learn testing techniques to assess and troubleshoot a variety of duct systems and components. Other topics will include fan sizing and principles, duct design, and duct termination based on current Indoor Air Quality (IAQ) standards. Troubleshooting topics will include airflow conditions, indoor air quality, pressure losses and diagnosing noise issues. Level I Prerequisite: Academic Reading and Writing Levels of 6; HVA 101 and HVA 103, minimum grade "C"

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Description	Hours
Credits	3
Lecture Hours	45
Clinical Hours	0
Lab Hours	15
Other Hours	0
Total Hours	60

Accurate as of 05/16/2025 Information is subject to change without notice.