

Campus-wide Sustainability at University of Virginia



What is Green Design?

Design and construction practices that significantly reduce or eliminate the negative impact of buildings on the environment and occupants that address:

- Sustainable site planning
- Safeguarding water and water efficiency
- Energy efficiency
- Conservation of materials and resources
- Indoor environmental quality

Sustainability at UVA

- Look at built and natural environment from a grounds-wide perspective
- Look at ongoing operations and procurement from a business perspective
- Look at the campus from a sustainability leadership perspective.



U.S. Green Building Council

National, non-profit organization

Voluntary, diverse membership that operates on consensus principles

Developer and administrative authority of the LEED Green Building Rating System

LEED Rating System

<u>Credits</u>	Points
Sustainable Sites	14
Water Efficiency	5
Energy and Atmosphere	17
Materials and Resources	13
Indoor Environmental Quality	15
Innovation	5
TOTAL Points Available	<hr/> 69

Certification Levels

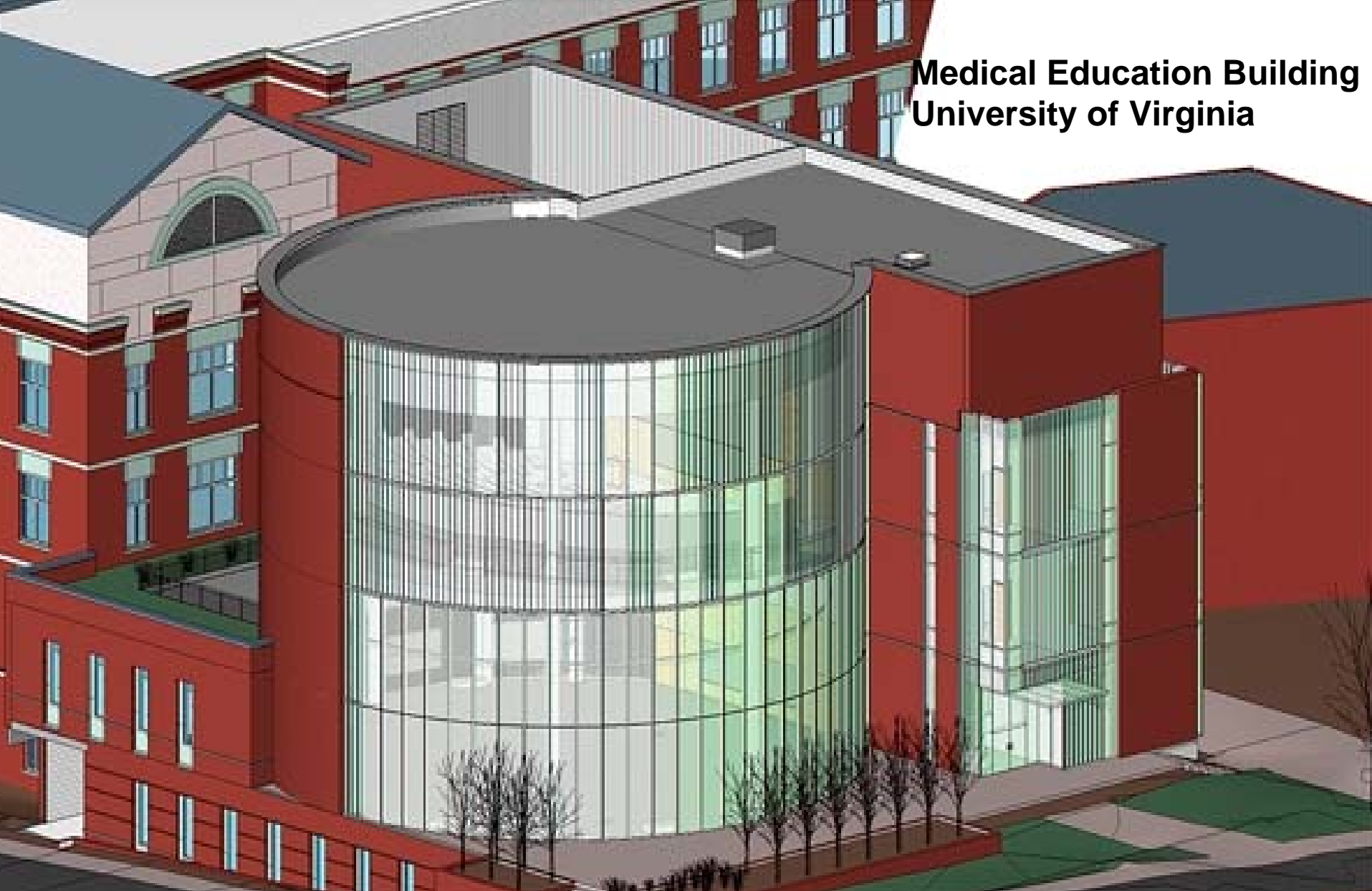
Four levels of certification:

LEED Certified	26 - 32 points
Silver Level	33 - 38 points
Gold Level	39 - 51 points
Platinum Level	52 + points

**South Lawn Project, College of Arts and Science
University of Virginia**



**Medical Education Building
University of Virginia**



Typical University Sustainability Programs

- LEED or LEED equivalent for major new construction
- Energy and Water Reduction Programs
- Chancellor's Sustainability Committee
- Director of Sustainability and Programs
- Green Cleaning, Waste, Purchasing, Transportation Policies
- Yearly Sustainability Monitoring
- Carbon Reduction Programs
- Grant and Loan Funding for Sustainability
- Integration of Academic Programs with Sustainability Policies and Programs

LEED for Campuses





