University of the District of Columbia
School of Engineering and Applied Sciences

www.udc.edu/seas

Transfer Virtual Open House

2:00pm Welcome -Why UDC? Why SEAS?

2:05pm Overview of Majors in SEAS

2:10pm Admission

2:20pm Breakout Sessions by Major

2:50pm Main Session - Q&A and Wrap up.

Ann Lankford

Director of Student Engagement

School of Engineering and Applied

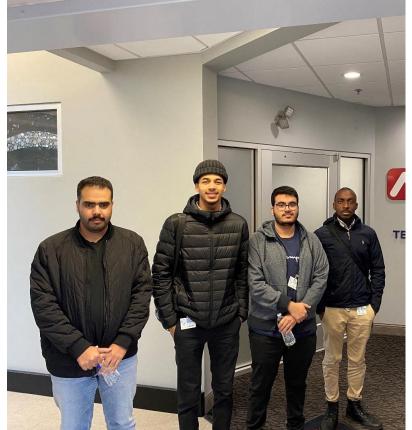Sciences

202-274-5699

ann.Lankford@udc.edu

- Please write in the chat your **preferred breakout session**.

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Dr. Devdas Shetty, Ph.D., P.E.
Dean and Professor of Mechanical Engineering

Why UDC?
Why School of Engineering & Applied Sciences (SEAS)?

1. Growing shortage of technically trained graduates in engineering and computer science.
2. Big need for Engineers and Computer Scientists--Shortage threatens to undermine our standard of living at home and our leadership
3. Most affordable in the region and the country. Ranked SEAS 7, ME1
4. Accredited by Accreditation Board for Engineering and Technology (ABET)-MIT/IVY leagues
5. Great Jobs. –Industries- LM, Raytheon, Intel, Apple, Grad Schools, Direct PhD scholarships. -Many examples Columbia Cornel
6. Salaries- SEAS graduates earn very good starting salary
7. SEAS program prepare graduates for high demand careers in Engineering and CS. In fact, Mayor' Bowser's Strategic Plan identifies Engineering and Computer Science (Construction, Cyber Security, Energy Robotics and Unmanned Systems)
8. Labs and facilities are modernized ($1M investment this year from DC) of high standard – major renovation

Why UDC?
Why School of Engineering & Applied Sciences (SEAS)?

9. Exceptional faculty with considerable professional experience who came here to teach!

10. Large amount of Research Grants $30M this year -5 National Centers (NSF, NASA, DOE, NIST and NIH)- Support modernization of labs

11. Funds can go to support students in research –UG research-   Students able to do serious publication as undergraduates

12. Large amount of Internship, Summer Opportunities-Work in National Labs (Johnson (Houston) Oak Ridge National Lab Albuquerque, Las Alamos, (Jet propulsion Pasadena, NASA Center Goddard, MD, Naval Surface Warfare Carderock, Glenn (Cleveland)-NOW

13. Good Hands-on experience through projects Curriculum balance between theory & Practice, technological competence, Societal aspects of engineering and computer science

14. Students experience a capstone project based on national/international competitions

15. Industry partnership with a corporate mentor

Employment of Recent Graduates

- Apple
- Booze Allen Hamilton
- Intel Corporation (Four graduates)
- Boeing (Two graduates)
- Boston Scientific
- Department of Defense
- Lockheed Martin (30 graduates)
- Northrop Grumman
- NIST
- US Air Force
- FDA
- DC Department of Human Services

- Science Applications International Corp
- DCPS (Several as IT Support Specialists)
- OCTO, Office of the Chief Technology
- World Bank, IT Analyst
- US Patent Office (several past graduates)
- NAVAIR (several in Material Science division)
- Maryland and Virginia State Governments
- DC Government-DC Water
- AECOM
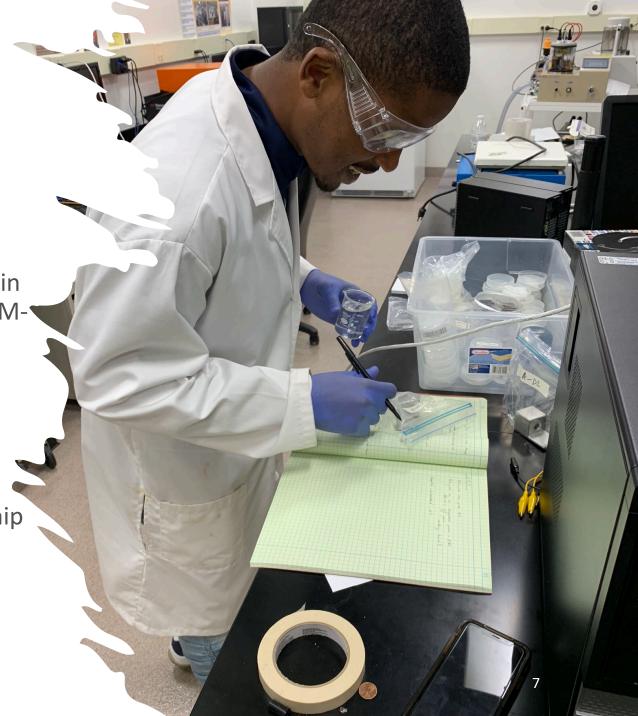- Ben Dyer Associates
- NexGen Technologies

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Research

- Center for Biomechanical & Rehabilitation Engineering (CBRE)

- NASA-MIRO: Center for Advanced Manufacturing in Space Technology & Applied Research at UDC (CAM-STAR)

- NSF-CREST: Center for Nanotechnology Research and Education (CNRE)

- Additive Manufacturing Post Processing Partnership (AMP3) Consortium

- NIST-Professional Research Experience Program (PREP)

ABET Accreditation

Accreditation Board for Engineering and Technology (ABET)

- Engineering Accreditation Commission

    - Civil Engineering
    - Electrical Engineering
    - Mechanical Engineering
    - Biomedical Engineering – seeking initial accreditation

- Computer Accreditation Commission

    - Computer Science

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Lab Tours

Facilities

https://www.udc.edu/seas/seas/facilities/

Virtual Lab Tours

https://www.udc.edu/seas/seas/facilities/tours/

Degree Programs

BACHELOR OF SCIENCE

- **Biomedical Engineering**
- **Civil Engineering**
- **Computer Science**
- **Electrical Engineering**
  - Computer Engineering option
- **Information Technology**
- **Mechanical Engineering**

MASTER OF SCIENCE

- **Computer Science**
- **Civil Engineering**
- **Electrical Engineering**
- **Mechanical Engineering**

DOCTOR OF PHILOSOPHY

Accelerated Bachelor's/Master's Program

- Allows completion of both B.S. and M.S. within five years.
- Allows 6-9 graduate-level technical elective credits toward the B.S. degree requirements
- Permission to pursue the ABM does not guarantee admission to the Master's degree program.

- Students apply for the ABM through the department chair
  - Junior standing;
  - A cumulative GPA of 3.2 or higher
  - A minimum of 80 semester credit hours completed including nine credits of 300- level required coursework. **(30 credit minimum in residence for transfer students)**

- Students must apply for the M.S. program through the Admission Office.

Admission and Financial Aid

Mr. Omar Harrod

Lead Recruitment Specialist

(202) 578-3826

omar.harrod@udc.edu

The University of the District of Columbia

Office of Undergraduate Recruitment & Admissions

4200 Connecticut Ave. NW

Building 39, Level A

Washington, DC 20008

Take a Virtual Tour of UDC:
www.udc.edu/apply/#virtualtour

Submit your official transcripts to:
udctranscores@udc.edu

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Breakout Sessions

1. Biomedical Engineering – Dr. Lara Thompson

2. Civil Engineering – Dr. Pradeep Behera

3. Computer Science and Information Technology - Dr. Briana Wellman

4. Electrical and Computer Engineering – Dr. Esther Ososanya

5. Mechanical Engineering – Dr. Kate Klein

6. Admission – Mr. Omar Harrod

- Please write in the chat your preferred breakout session.

- Return to the main session if you'd like to move to a new breakout session.

Insert Title of Presentation in Footer Area, Month 2018

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