### YOUR DAY AT A GLANCE

#### Presentation Schedule

**Engineering Open House**

**April 15, 2024**

<table>
<thead>
<tr>
<th>Location/Session</th>
<th>9:05am – 9:55am</th>
<th>10:10am – 11:00am</th>
<th>11:15am – 12:05pm</th>
<th>1:25pm – 2:15pm</th>
<th>2:30pm – 3:20pm</th>
</tr>
</thead>
</table>
| **Commonwealth Ballroom A** | Robotics and Machine Learning at Virginia Tech
Dylan Losey | Aerospace and Ocean Engineering Challenges and Opportunities
Elia Atkins | Mechanical Engineering
Sarah Deisher | Introduction into the General Engineering Program
David Gray and James Newcomer | Electrical and Computer Engineering
ECE Ambassadors & Virgilio Centeno |
| **Commonwealth Ballroom B** | Office of Undergraduate Admissions
TBD | Civil & Environmental Engineering
Scott Case and Kara Lattimer | Computer Science
CS Student Ambassadors | Chemical Engineering at Virginia Tech
Jeremy Wilson | Industrial and Systems Engineering (ISE): Where People and Engineering Interact
Natalie Cherbaka & ISE Advisors |
| **Haymarket Theater** | Computer Science
CS Student Ambassadors | What is Biomedical Engineering?
Sara Arena | Biological Systems Engineering
Priscilla Baker and BSE Student Ambassadors | Construction Engineering & Management – Building the Future
Sharon Williams & CEM Ambassadors | Study Abroad for First Year Engineers and Beyond
Nicole Sanderlin |
| **Room 219** | Ocean Engineering: Undergraduate Program & Job Opportunities
Stefano Brizzolara | Galileo and Hypatia Living: Learning Communities
DeAnna Kately | VT Green Engineering Program Overview
Sean McGinnis | What is Biomedical Engineering?
Sara Arena | Intelligent Equipment and Mine Blast Design
Erik Westman |
| **Room 236** | Metal Casting Education and Research
Alan Duschitz | Controlling Light (Field) Matter Interaction Using Metamaterials
Jordan Budhu | Measuring the Winds at the Edge of Space
Scott England | AI-ML Based Cattle Behavior Analysis
Sook Ha | Electronic & Photonic Materials and Devices
Mantu Nadiri |
| **Room 300** | Study Abroad for First Year Engineers and Beyond
Mariah Henderson | Chemical Engineering at Virginia Tech
Aaron Noble | Industrial and Systems Engineering (ISE): Where People and Engineering Interact
Natalie Cherbaka & ISE Advisors | Construction Engineering & Management – Building the Future
Sharon Williams & CEM Ambassadors |
| **Room 305** | Interdisciplinary Projects and Capstones
Lisa McNair | Nature-Inspired Energy and Water Harvesting
Jonathan Boreyko | Constructing Success: A Glimpse into the World of Building Construction
Georg Reichard and Renee Ryan | Autonomous Drones for 3D Mapping of Underground Mines
Richard Bishop | What is Biomedical Engineering?
Sara Arena |
| **Room 340** | Biological Systems Engineering
Priscilla Baker and BSE Student Ambassadors | Nature-Inspired Energy and Water Harvesting
Jonathan Boreyko | Subsurface Imaging, Infrastructure, and the Environment
Joseph Ventass | CEED Pre-College Programs
Kim Lester | Autonomous Drones for 3D Mapping of Underground Mines
Richard Bishop |
| **Room 342** | Materials Science & Engineering: everything is material
Michelle Czarnaske | Materials Science & Engineering: everything is material
Michelle Czarnaske | Materials Science & Engineering: everything is material
Michelle Czarnaske | iPhones, Electric Vehicles, and Renewable Energy – The Critical Role of Mining Engineering in Modern Society
Aaron Noble | Materials Design via Informatics: What is it and Why do We Need It?
Pinar Acar |
| **Room 343** | Safety, Convenience, Equity – Automotive Research at Virginia Tech
Miguel Perez | Materials Science & Engineering Demo
MSE Student Ambassadors | Materials Science & Engineering Demo
MSE Student Ambassadors | Materials Science & Engineering Demo
MSE Student Ambassadors | Chemical Engineering at Virginia Tech
Jeremy Wilson |

7:45am - Registration Opens
8:30am - Opening Remarks in Commonwealth Ballroom A
11:15am-2:15pm - Booth Showcase in the Graduate Life Center (GLC) - located across from Squires, brick structure with white pillars, exit Squires on the first floor - volunteers will guide you! Some design teams will be outside with their projects as part of the booth showcase as well.
3:30pm - End of the day! Thanks for coming!