SBIO 2314 – Building Informational Modeling for Wood Based Construction, Spring 2022
Learn sustainable construction by using Building Information Modeling (BIM) which combines CAD design, detailing, scheduling, costing, and material information. Create projects with BIM and receive input from industry professionals.

SBIO 4984 – Parametric Design for Computer Aided Manufacturing, Spring 2022
Engage with the capabilities of emerging manufacturing technologies and use computer-aided manufacturing to design and create products. Discover new ways to design and manufacture products that help reduce environmental impact.

SBIO 1114 – A Sustainable Future through Circular Economy, Spring 2022
Explore circular economy strategies being implemented worldwide, as part of a collective effort by industry, government, and society to achieve a sustainable future. Learn to apply methods and tools for circular product and business model designs and for systems-thinking.

SBIO 5984 – Special Study in Industrial Ecology, Spring 2022
Delve into industrial ecology, an essential field for the study of sustainability and circular economy. Analyze the flow of materials and resources within consumption-production systems. Apply industrial ecology methods [e.g., life-cycle assessment (LCA), material flow analysis (MFA), and cumulative energy demand (CED)] to your own research.

Dana McGuire
Academic Advisor and Assistant Director of Academic Advising
540-231-8032
dana.mcguire@vt.edu
138 Cheatham Hall