Dr. Martin joined the University of Virginia faculty as an Associate Professor in 2016, and was awarded tenure in 2021. She was named Interim Chief of Thoracic Surgery in 2020. She served as the Surgery Clerkship Director for the medical school from 2017 - 2021, and in 2019 became the Associate Program Director for Cardiothoracic Residency. She was elected into membership of the Academy of Distinguished Educators in 2018. She leads the Thoracic Oncology Tumor Board, and co-leads Enhanced Recovery Program for Thoracic Surgery.

Dr. Martin trained in cardiothoracic surgery in Houston at Texas Heart Institute, was the thoracic track chief resident at MD Anderson Cancer Center. She has been nominated by her physician peers as a Top Doctor in Baltimore (2015), Top Doctor in Virginia (2018), and won the Best Practice Award in 2015 for providing excellent, timely access to high quality care with the highest level of patient and referring doctor satisfaction. In 2019, 2020 and 2021 she was recognized for achieving scores in the 99th percentile for patient satisfaction based on Press-Ganey surveys.

Nationally she leads multiple committees for the Alliance for Clinical Trials, and serves as principle investigator of a stage 3 lung cancer trial. She is the STS representative to the Commission on Cancer, appointed member of NCI Gastrointestinal Malignancy Steering Committee since 2019; an Officer of the General Thoracic Surgical Club; and serves on several Workforce Groups in STS. She was elected to the AATS in 2019, and will be a Program Chair for the 2023 Annual Meeting. She has authored more than 50 articles in journals including JCO, Annals of Surgery, Annals of Thoracic Surgery, and JTCVS. Dr. Martin has been invited to speak at many national and international meetings. She was an editor for the Operative Standards for Cancer Surgery 2nd edition book, associate editor for the Annals of Thoracic Surgery, and an editor for Clinical Lung Cancer.