

Scholarship	Full Name	School	Major
Campbell No. 61	Nicholas Dietrich Abram	Howard University	Computer Science
Nagel No. 73	Prisha Agrawal	The Johns Hopkins University	Chemical & Biomolecular Engineering
Dodson No. 107	Hamna Ali	The University of Maryland	Chemical Engineering
Nagel No. 74	Elizaveta Joseph Aliyanaya	University of Central Florida	Mechanical Engineering
Pasady No. 4	Carl Jacob Masana Alvez	Brigham Young University	Chemical Engineering
Althouse No. 18	Carter Ryan Amaba	University of Florida	Electrical Engineering
Nagel No. 75	Matthew Amidon	Kettering University	Electrical Engineering
Spirit of Apollo No. 13	Shashwat Anand	University of Minnesota-Twin Cities	Aerospace Engineering & Mechanics
Stabile No. 1565	Vikram Anantha	The University of Michigan	Computer Science
Soden No. 33	Quinn Ann Angell	Yale University	Chemical Engineering
Forge No. 181	Dylan James Anuskiewicz	University of California, Berkeley	Nuclear Engineering
Stabile No. 1566	Dev Jyoti Ghosh Arnab	Michigan State University	Computer Science
Stabile No. 1501	Andrea Cazell Bailey	Mississippi State University	Mechanical Engineering
Stabile No. 1567	Abigail Mackenzie Baines	Lehigh University	Civil Engineering
Stabile No. 1568	Eitan Bajwol Gomberoff	Purdue University	Computer Engineering
Stabile No. 1492	Pranati Bala	Northeastern University	Industrial Engineering
Brems No. 37	Eban Barrett	University of Alabama in Huntsville	Aerospace Engineering
Lugannani No. 3	Ariantte Bastos Cerdas	Kansas State University	Mechanical Engineering
Stabile No. 1562	Benjamin Bates	North Carolina State University	Mechanical Engineering
Stabile No. 1569	Camille Jade Bautista	Mississippi State University	Biomedical Engineering
Stabile No. 1570	Sophia Danielle Beix	University of Minnesota-Twin Cities	Biomedical Engineering
Stabile No. 1502	Zachary Seth Beneke	University of South Alabama	Mechanical Engineering
Stabile No. 1503	Zachary Louis Berde	Northeastern University	Mechanical Engineering
Stabile No. 1504	Kristi Kangkana Bez	Iowa State University	Mechanical Engineering
Forge No. 182	Alisha Mahesh Bhat	University of California, Los Angeles	Bioengineering
Stabile No. 1571	Aadil Bhat	California State University, Sacramento	Computer Engineering
Dodson No. 109	Nathan Bolima	University of Maryland Baltimore County	Mechanical Engineering
Stabile No. 1572	Elizabeth Denise Bozard	University of South Carolina	Civil Engineering
Stabile No. 1573	Therresa Sharlene Budihardjo	The University of Michigan	Chemical Engineering

Stabile No. 1552	Xiangbo Cai	Michigan State University	Electrical Engineering & Computer Engineering
Stabile No. 1574	Dahlie Rose Penaflor Canalita	Kettering University	Electrical Engineering
Stabile No. 1575	Marin Elizabeth Cantrell	University of California, Davis	Biomedical Engineering
Stabile No. 1558	Kailyn Nicole Carmichael	Virginia Polytechnic Institute & State University	Aerospace Engineering
Stabile No. 1576	Lauren Nancy Carnevale	Binghamton University	Biomedical Engineering
Stabile No. 1554	William Heath Carroll	East Carolina University	Engineering
Stabile No. 1577	Benjamin Yang Cavanagh	Dartmouth College	Computer Engineering
Brems No. 41	Caden Chavalitanonda	University of Oklahoma	Aerospace Engineering
Brems No. 39	Ryan Wei Liang Chen	University of Colorado at Boulder	Aerospace Engineering
Forge No. 184	Chloe Cheng	University of California, Los Angeles	Materials Science & Engineering
Stabile No. 1578	Kimathi Isaiah Choma	Kansas State University	Biomedical Engineering
Stabile No. 1495	Colby Kenneth Christenson	North Dakota State University	Industrial Engineering & Management
Abriola No. 3	Phoebe Ellin Go Alcantara Chua	Drexel University	Biomedical Engineering
Stabile No. 1579	Cody Chun	University of Notre Dame	Computer Engineering
Stabile No. 1506	Allison Jeeun Chung	Georgia Institute of Technology	Mechanical Engineering
Stabile No. 1580	Giovanni Curreri Ciro	Rowan University	Electrical & Computer Engineering
Scribner No. 93	Hailey Noelle Clingan	The University of Texas at Austin	Environmental Engineering
Stabile No. 1508	Dylan Max Conover	Brigham Young University	Mechanical Engineering
Stabile No. 1564	Ryan Crosby	University of Alabama in Huntsville	Mechanical Engineering
Forge No. 183	Madeleine Helen Cunningham	University of California, Los Angeles	Chemical Engineering
Skaggs No. 32	Michael Deas Moore Curry	Louisiana State University	Electrical Engineering
Alabama Power No. 23	Hayden Henley Davies	Missouri University of Science and Technology	Nuclear Engineering & Economics
Stabile No. 1581	Margaret Reeves Davisson	University of South Carolina	Biomedical Engineering & Theatre
Stabile No. 1582	Reema Dawar	Columbia University	Biomedical Engineering
Dodson No. 110	Dominic Mallari De La Torre	University of Southern California	Biomedical Engineering
Stabile No. 1509	Zachary Paul Dean	Montana State University	Mechanical Engineering
Stabile No. 1555	Liv Deboer	Harvey Mudd College	Engineering
Stabile No. 1493	Arianis Delgado Vazquez	University of Puerto Rico	Industrial Engineering
Rushing No. 6	Caroline Devlin	Louisiana State University	Civil Engineering
Stabile No. 1583	Sierra Nicole Dewald	University of Akron	Civil Engineering
Stabile No. 1584	Daniella Anna Dordeski	Oakland University	Electrical Engineering
Forge No. 189	Nicholas Patrick Dorgan	University of Southern California	Biomedical Engineering

Stabile No. 1565	Danielle Margaret Dougherty	University of Miami	Mechanical Engineering
Stabile No. 1510	Lizi Ebralidze	University of Miami	Mechanical Engineering
Stabile No. 1585	Sabrina Elgazzar	Stevens Institute of Technology	Electrical Engineering
Stabile No. 1511	Jackson William Elrick	The University of Missouri-Columbia	Mechanical Engineering
Stabile No. 1586	Jonathon Dale Falconer	South Dakota Sch of Mines & Tech	Biomedical Engineering
Berthold No. 5	Madison Christine Fanning	University of Illinois at Urbana-Champaign	Bioengineering
Sickafoose No. 16	Nicolena Annalese Fazio	Clarkson University	Chemical Engineering
Stabile No. 1512	Evan Fender	Wright State University	Mechanical Engineering
Stabile No. 1513	Dawson Anthony Finnegan	Mississippi State University	Mechanical Engineering
Stabile No. 1566	Alyssa Isabel Marie Flores	Texas A&M University-Kingsville	Mechanical Engineering
Lyons No. 16	Trevor Frank	University of Georgia	Biochemical Engineering
Stabile No. 1587	Hunter George Geibel	Ohio Northern University	Civil Engineering
Stabile No. 1498	Quinton Benjamin Geller	University of Pennsylvania	Materials Science & Engineering
Stabile No. 1588	Kia Ghods	Princeton University	Computer Science
Nelson No. 5	Karissa Megumi Ginoza	University of Southern California	Mechanical Engineering
Record No. 2071	Diego Gomez Bello	University of Miami	Biomedical Engineering
Stabile No. 1615	Nicholas Ruben Gonzalez	The University of Texas at El Paso	Electrical Engineering
Stabile No. 1596	Natalia Glez Gonzalez Cerda	Texas Tech University	Civil Engineering
Record No. 2072	Alyson Ann Goodwin	University of Alabama at Birmingham	Biomedical Engineering
Stabile No. 1591	Owen Henry Gray	Lehigh University	Chemical & Biomolecular Engineering
Stabile No. 1606	Supraj Gunda	Princeton University	Computer Science
Elovitz No. 3	Eden Alexandra Hall	Colorado School of Mines	Metallurgical & Materials Engineering
Record No. 2073	Emily Paige Hammer	Widener University	Biomedical Engineering
Stabile No. 1617	Steven Thibodeaux Harris	California State University, Long Beach	Biomedical Engineering
Stabile No. 1548	Jack Hasker	Princeton University	Operations Research & Financial Engineering
Scribner No. 92	Kiera Heavey	University of Delaware	Environmental Engineering
Record No. 2074	Kristina Nicole Heins	University of Pittsburgh	Bioengineering
Record No. 2075	Diego Ernesto Hernandez Parets	University of Miami	Biomedical Engineering
Record No. 2076	Khufu Matope Holly	University of South Carolina	Biomedical Engineering
Stabile No. 1605	Jonathan Robert Hood	Stevens Institute of Technology	Mechanical Engineering
Stabile No. 1597	Benjamin Ray Horner	South Dakota State University	Civil Engineering
Stabile No. 1515	Madelyn Hotaling	University of Florida	Mechanical Engineering

Stabile No. 1616	Dakota Kirk Hudson	Oklahoma State University	Electrical Engineering
Rushing No. 4	Amy Valeri Ianev	California State University, Sacramento	Civil Engineering
Rushing No. 5	Lydia Vassileva Iliev	Colorado State University	Civil Engineering
Record No. 2077	Benjamin Dylan Isaacson	The University of Texas at Austin	Biomedical Engineering
Record No. 2078	Nora Qualls Jennings	The University of Kansas	Chemical Engineering
Record No. 2079	Elizabeth Irene Jenulis	Lehigh University	Bioengineering
Stabile No. 1607	Matthew Stuart Jones	University of Kentucky	Computer Science
Dodson No. 106	Sulayman Khan	The University of Maryland	Bioengineering
Dechman No. 12	Hunter James Kilgore	University of South Alabama	Chemical Engineering
Record No. 2080	Olivia King	Saint Louis University	Biomedical Engineering
Stabile No. 1592	Osemudiam Benedict Kingsley-Odia	New York University Tandon School of Engg	Chemical & Biomolecular Engineering
Skaggs No. 33	Leance Kambamba Kiningu	Louisiana Tech University	Electrical Engineering
Stabile No. 1516	Gunnar Hamelin Kirk	Georgia Institute of Technology	Mechanical Engineering
Scribner No. 91	Noelle Adeline Klima	University of Illinois at Urbana-Champaign	Environmental Engineering
Record No. 2081	Jason Koenings	University of Miami	Biomedical Engineering
Stabile No. 1593	Buse Koldas	The Johns Hopkins University	Chemical & Biomolecular Engineering
Stabile No. 1517	Henry Edward Campbell Kopp	University of Minnesota-Twin Cities	Mechanical Engineering
Stabile No. 1598	Grace Walid Korkmaz	Michigan State University	Civil Engineering
Record No. 2082	Melody Joy Kusters	The University of Arizona	Biomedical Engineering
Stabile No. 1518	Nadia Paige Krueger	Embry-Riddle Aeronautical Univ	Mechanical Engineering
Record No. 2083	Michael Krumland-dunning	University of California, Santa Barbara	Computer Engineering
Stabile No. 1519	William Erhard Kunzendorf	University of Florida	Mechanical Engineering
Forge No. 187	Pei-pei Kuo	University of California, Irvine	Chemical Engineering
Stabile No. 1520	Adekunmi Lala	Drexel University	Mechanical Engineering
Forge No. 180	Rachel Lee	University of California, Berkeley	Materials Science & Engineering
Record No. 2084	Rachel Lee	The Cooper Union School of Eng'g.	Chemical Engineering
Record No. 2085	James Hyunjoon Lee	Brown University	Chemical Engineering
Stabile No. 1590	Brayden Lexow	Kansas State University	Biological Systems Engineering
Stabile No. 1601	Yutong Liang	Duke University	Electrical & Computer Engineering
Forge No. 178	Nathan Shangru Liu	University of California, Berkeley	Chemical Engineering
Record No. 2086	Emma Kaitlyn Lovell	Mississippi State University	Biomedical Engineering
Stabile No. 1599	Jomyuth Luangtana-anan	New York University Tandon School of Engg	Civil Engineering

Stabile No. 1521	Amanda Carolyn Luyks	California State University, Long Beach	Mechanical Engineering
Stabile No. 1550	Benjamin Spencer Lynch	United States Military Academy	Systems Engineering
Record No. 2087	Sara Bella Maggio	Case Western Reserve University	Biomedical Engineering
Record No. 2088	Samantha Tapuwa Magowo	The University of Rochester	Biomedical Engineering
Fue No. 3	Sambhav Maloo	University of Illinois at Urbana-Champaign	Biomedical Engineering
Forge No. 188	Abigail Marie Marciniak	University of California, Irvine	Biomedical Engineering
Campbell No. 62	Jonathan Hernando Martinez	University of New Mexico	Mechanical Engineering
Forge No. 177	Miriya Mayenkar	University of California, Berkeley	Bioengineering & Business Administration
Record No. 2089	Mallory Elizabeth McCarron	The University of Iowa	Biomedical Engineering
Stabile No. 1522	Kelly McConekey	North Carolina State University	Mechanical Engineering
Stabile No. 1523	Colt McGuire	University of California, Irvine	Mechanical Engineering
Stabile No. 1560	Kelsey Lynn McLennan	Michigan State University	Applied Engineering Sciences
Stabile No. 1608	Benjamin David Mechels	University of Minnesota-Twin Cities	Computer Science
Stabile No. 1496	Elanor Mehen	Oklahoma State University	Industrial Engineering & Management
Stabile No. 1549	Nicholas Miller	University of Houston	Petroleum Engineering
Stabile No. 1609	Ahan Banerjee Mishra	Cornell University	Computer Science
Stabile No. 1525	Johnpaul Mitiguy	University of Notre Dame	Mechanical Engineering
Record No. 2090	Rusheel Reddy Mittakanti	University of Houston	Biomedical Engineering
Stabile No. 1499	Evan Paul Moffett	Pennsylvania State University	Materials Science & Engineering
Stabile No. 1526	Blayne Montaque	Howard University	Mechanical Engineering
Record No. 2091	Julia Diane Montgomery	The University of Wisconsin-Madison	Biomedical Engineering
Soden No. 34	Ajani Anthony Moss	Howard University	Chemical Engineering
Stabile No. 1527	Ntsika Mtwla	Brown University	Mechanical Engineering
Stabile No. 1528	John Dakin Muhlnr	Case Western Reserve University	Mechanical Engineering
Stabile No. 1561	Samantha Muller	Illinois Institute of Technology	Architectural Engineering
Record No. 2092	Felix Munoz Rodriguez	Boston University	Biomedical Engineering
Forge No. 186	Grace Derex Murphy	Cal Poly St. Univ., San Luis Obispo	Mechanical Engineering
Stabile No. 1529	Jack Anthony Myers	South Dakota Sch of Mines & Tech	Mechanical Engineering
Record No. 2093	Ajay Narayan	The University of Texas at Austin	Biomedical Engineering
Brems No. 38	Martin Nguyen	San Jose State University	Aerospace Engineering
Skaggs No. 34	Matthew Huu Nguyen	Merrimack College	Electrical Engineering
Stabile No. 1530	Nathan Nguyen	Kettering University	Mechanical Engineering

Stabile No. 1618	Luan Nguyen	The University of Tulsa	Electrical Engineering
Record No. 2094	Tristan Lynn Niewenhuis	South Dakota Sch of Mines & Tech	Computer Engineering
Record No. 2095	Maria Grace Obert	University of Kentucky	Biomedical Engineering
Record No. 2096	Abbie Elizabeth O'Brien	Clarkson University	Chemical Engineering
Record No. 2097	Diego Ocaranza Nunez	University of Pennsylvania	Bioengineering
Beans No. 4	Logan Hunter Oden	The Ohio State University	Computer Science & Engineering
Record No. 2098	Carlos Samuel Olmedo Iñiguez	University of Florida	Chemical Engineering
Stabile No. 1551	Mazin Omer	West Virginia University	Mechanical Engineering
Record No. 2099	Evelyn Rowe Osborn	University of Minnesota, Duluth	Chemical Engineering
Stabile No. 1500	Grant Ozaki	North Carolina State University	Materials Science & Engineering
Alford No. 30	Yutong Pan	University of California, Los Angeles	Electrical Engineering
Skaggs No. 30	Alaric Yunwen Pan	Georgia Institute of Technology	Electrical Engineering
Farmer Family No. 3	Nicholas Pappas	The Ohio State University	Computer Science & Engineering
Record No. 2100	James William Parker	The University of Texas at Austin	Biomedical Engineering
Record No. 2101	Maddox Jeremy Parsons	University of Kentucky	Chemical Engineering
Record No. 2102	Tyler Christopher Patay	University of Colorado at Boulder	Biomedical Engineering
Stabile No. 1547	Jordan Kathleen Payne	Arizona State University	Mechanical Engineering & Energy and Environment
Stabile No. 1531	Daniela Yazid Perez Oliveras	University of Puerto Rico	Mechanical Engineering
Stabile No. 1532	Kathleen Lynette Perry	Ohio University	Mechanical Engineering
Stabile No. 1533	Elizabeth Perusse	North Dakota State University	Mechanical Engineering
Stabile No. 1610	Haidyn Paige Peterson	University of Oklahoma	Computer Science
Stabile No. 1594	Khue Ngoc Phan	Georgia Institute of Technology	Chemical & Biomolecular Engineering
Stabile No. 1494	Mariana Prado	Northwestern University	Industrial Engineering
Stabile No. 1534	Eduardo Prado Flores	Columbia University	Mechanical Engineering
Record No. 2103	Mason George Rabtzow	The College of New Jersey	Computer Engineering
Record No. 2104	Saket Ram	University of Pennsylvania	Bioengineering
Nelson No. 6	Hansini Ramachandran	University of Southern California	Electrical & Computer Engineering
Stabile No. 1602	Tanusri Ramakrishnan	Rutgers University	Electrical & Computer Engineering
Stabile No. 1619	Frederick August Raquet	Cedarville University	Electrical Engineering
Stabile No. 1600	Brianna Lyn Reid	Wentworth Institute of Technology	Civil Engineering
Stabile No. 1535	Max Coye Richardson	University of Rhode Island	Mechanical Engineering
Stabile No. 1536	Kaylee Paige Roberts	Valparaiso University	Mechanical Engineering

Record No. 2105	Emma Grace Roden	Mississippi State University	Biomedical Engineering
Stabile No. 1611	Nathan James Roe	University of Minnesota-Twin Cities	Computer Science
Stabile No. 1537	Zach Jeffrey Rogers	Purdue University	Mechanical Engineering
Stabile No. 1538	Zachary Gardner Rubenzahl	Lafayette College	Mechanical Engineering
Record No. 2106	Ethan Robert Rudman	Milwaukee School of Engineering	Biomedical Engineering
Stabile No. 1595	Lucy Rudolph	Virginia Commonwealth University	Chemical & Life Science Engineering
Stabile No. 1539	Gavin Russo	Arizona State University	Mechanical Engineering
Stabile No. 1505	Ahmad Atef Saad	American University of Sharjah	Computer Engineering
Stabile No. 1556	Xzavier Sablan	Harvey Mudd College	Engineering
Stabile No. 1506	Gehres Colten Sakadales	University of Florida	Mechanical Engineering & Biology
Scribner No. 94	Mya Lynne Schlepp	University of Washington	Environmental Engineering
Record No. 2107	Elizabeth Louise Schloss	University of Dayton	Chemical Engineering
Stabile No. 1540	Sophia Schoch	Valparaiso University	Mechanical Engineering
Schwaller No. 16	John William Schoonenberg	Colorado School of Mines	Mechanical Engineering
Dodson No. 108	Jessica Slaughter	University of Maryland Baltimore County	Computer Engineering
Stabile No. 1514	Noah Elias Smith	East Carolina University	Biomedical Engineering
Record No. 2108	Kassidy Emma Smith	Northeastern University	Bioengineering
Pasady No. 5	Thea Spellmeyer	Carnegie Mellon University	Chemical Engineering & Biomedical Engineering
Record No. 2109	Kiley Faith Stahl	University of Rhode Island	Biomedical Engineering
Scribner No. 95	Sydney Morgan Stapleton	Mercer University	Environmental Engineering
Stabile No. 1541	Lauren Elizabeth Starr	University of Notre Dame	Mechanical Engineering
Stabile No. 1553	Alexis Stus	Southern Methodist University	Electrical Engineering & Mathematics
Stabile No. 1612	Venkat Subramanian	Princeton University	Computer Science
Stabile No. 1559	Jack Conner Sullivan	University of South Carolina	Aerospace Engineering
Stabile No. 1613	Evelyn Sun	SUNY at Stony Brook	Computer Science
Record No. 2110	Julianne Hazel Sweet	Miami University	Biomedical Engineering
Stabile No. 1614	Rhyder Swen	Case Western Reserve University	Computer Science
Stabile No. 1620	John Paul Szczublewski	Rochester Institute of Tech.	Electrical Engineering
Stabile No. 1542	Eliza Tabachnik	Brown University	Mechanical Engineering
Stabile No. 1524	Sarah Tague	The University of Missouri-Columbia	Biomedical Engineering
Stabile No. 1543	Tooba Tanveer	The University of Tennessee at Chattanooga	Mechanical Engineering
Record No. 2111	Keane Tao	University of Virginia	Biomedical Engineering

Scribner No. 90	Mallory Thomas	Columbia University	Earth & Environmental Engineering
Skaggs No. 31	Meredith Nancy Jane Tiderington	Purdue University	Electrical Engineering
Stabile No. 1563	Kathryn Eve Tracy	Valparaiso University	Biomechanical Engineering
Alford No. 31	Grant Luke Trazo	California State University, Long Beach	Electrical Engineering
Stabile No. 1544	Trevor James Tucker	Louisiana Tech University	Mechanical Engineering
Stabile No. 1589	Blake Maury Tumpey	University of Georgia	Biological Engineering
Farmer Family No. 4	Alexis Grace Vallier	Rensselaer Polytechnic Institute	Electrical Engineering
Record No. 2112	Katrin Helena Vilinsky	Carnegie Mellon University	Chemical Engineering
Record No. 2113	An Xuan Vo	The University of Texas at Austin	Biomedical Engineering
Stabile No. 1603	David Wang	Princeton University	Electrical & Computer Engineering
Stabile No. 1622	Cheng-yu Wang	University of Massachusetts at Amherst	Electrical Engineering
Stabile No. 1497	Guido Wanschelbaum	South Dakota Sch of Mines & Tech	Industrial Engineering & Management
Stabile No. 1557	Kylie Scott Weems	East Carolina University	Engineering
Record No. 2114	Erika Weidner	Texas Tech University	Chemical Engineering
Rushing No. 7	Julia Werther	Louisiana State University	Civil Engineering
Record No. 2115	Bryleigh Elizabeth Wickham	Louisiana Tech University	Biomedical Engineering
Stabile No. 1623	Maxwell Weston Wickland	Case Western Reserve University	Electrical Engineering
Record No. 2116	Kylie Anne Wishneski	University of Pittsburgh	Bioengineering
Soden No. 35	Kyle Philip Wodehouse	University of Delaware	Chemical Engineering
Forge No. 179	Pattaraphon Wongchamcharoen	University of California, Berkeley	Industrial Engineering & Operations Research
Record No. 2117	Dylan Michael Baumgartner	South Dakota State University	Mechanical Engineering
Record No. 2118	Luca Colin Freise	Grand Valley State University	Mechanical Engineering
Griffin No. 1	Jacob Michael Hanson	Purdue University	Mechanical Engineering
Record No. 2119	Lauren Jean Lamberson	Rensselaer Polytechnic Institute	Biomedical Engineering
Stabile No. 1545	Kendal Madigan Wright	The University of Tennessee	Mechanical Engineering
Bloomberg No. 20	Shuyi Yan	The Johns Hopkins University	Biomedical Engineering
Stabile No. 1546	Aijia Yang	University of California, San Diego	Mechanical Engineering
Stabile No. 1621	Lexi Rose Yearout	University of Cincinnati	Civil Engineering
Record No. 2120	Samantha Allison Zaloudek	Michigan State University	Chemical Engineering
Stabile No. 1604	Mohammad Mahdi Zanganeh	Virginia Military Institute	Electrical & Computer Engineering
Rushing No. 8	Athena Putridara Zapantis	The Johns Hopkins University	Civil Engineering
Brems No. 40	Vivian Zhang	Georgia Institute of Technology	Aerospace Engineering

Record No. 2121	Iris Zheng	The Johns Hopkins University	Biomedical Engineering
Record No. 2122	Ellen Zheng	Boston University	Computer Engineering
Forge No. 185	Ellen Sam Zulkarnain	University of California, Los Angeles	Mechanical Engineering