



# Coastal Bend COLLEGE

## Curriculum Vitae

**Name: Callie C. Bast**

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### Education:

<b>Credential Earned</b>	<b>College/University and Location</b>	<b>Year Earned</b>
Master of Science in Mech. Engineering	The University of Texas, San Antonio, TX	1993
Bachelor of Science in Mech. Engineering	The University of Texas, San Antonio, TX	1990

### Teaching Experience:

<b>Institution and Location</b>	<b>Year(s)</b>
Coastal Bend College, Pleasanton, TX	1
Pleasanton High School, Pleasanton, TX	8
Pleasanton Jr. High School, Pleasanton, TX	7
The University of Texas, San Antonio, TX	12

### Professional, Technical, and Work-Related Experience, Skills, Licensure & Certifications: (if applicable)

	<b>Years(s)</b>
Research Engineer, Division of Engineering, UTSA	6
Texas State Board for Educator Certification: Mathematics (8-12)	8
Texas State Board for Educator Certification: Mathematics (4-8)	15

**Professional Achievements and Publications:**

	<b>Years(s)</b>
Pleasanton I.S.D. Educator of the Year	2021
Pleasanton High School Teacher of the Year	2021
Pleasanton Chamber of Commerce Teacher of the Year	2012
Pleasanton Jr. High School Teacher of the Year	2009
UTSA/NASA Graduate Research Fellowship	1991
"Probabilistic Material Strength Degradation Model for Inconel 718 Components Subjected to High Temperature, Mechanical Fatigue, Creep and Thermal Fatigue Effects," by C. Bast, NASA Contractor Report 195284, NASA Grant NAG3-867, Division of Engineering, The University of Texas at San Antonio, May 1993.	1993
"A Thermal Fatigue Model for Probabilistic Lifetime Strength of Propulsion System Components," by L. Boyce and C. Bast, accepted for presentation and publication, <u>Proceedings, 38th ASME International Gas Turbine and Aeroengine Congress and Exposition</u> , Cincinnati, Ohio, May 24-27, 1993.	1993
"Computational Simulation of Probabilistic Lifetime Strength for Aerospace Materials Subjected to High Temperature, Mechanical Fatigue, Creep and Thermal Fatigue," by L. Boyce and C. Bast, Final Technical Report, NASA Grant NAG 3-867, Phase 4, Division of Engineering, Report UTSA 92-1/DOE-92-1, The University of Texas at San Antonio, August 1992.	1992
"Computational Simulation of Coupled Material Degradation Processes for Probabilistic Lifetime Strength of Aerospace Materials," by L. Boyce and C. Bast, Final Technical Report, NASA Grant NAG 3-867, Phase 3, Division of Engineering Report UTSA 91-1/DOE-91-1, The University of Texas at San Antonio, August 1991.	1991