

**3 Year Contract for Christian Aars
Professor of Physics
Full-time Faculty at Collin since 2008**

Education/Experience

- Ph.D., Physics and Astronomy, Texas Christian University, Fort Worth, Texas, 2002

Professional Development and Publications

- Programmed, numerical simulation of realistic rocket launch in a two-body simulation, including atmospheric effects and gravity from two sources, for use in Physics 1404, Astronomy of the Solar System Labs, Spring 2018
- Programmed, launch window prediction algorithm for a generic, user-defined two body system, for use in Physics 1403 and 1404 Astronomy Labs, Summer 2018
- Attended, Faculty Development Conference presentation, "Games, Gamification, and the Quest for Student Engagement," Fall 2017
- Attended, Faculty Development Conference presentations, "Engaging Education: Methods for Encouraging Student Interaction," "Understanding COAT: Artifacts, Assignments, and Assessment," "Classroom Management? SOBI? Dean of Students? Which One Is It?," "Mayan Calendars," Spring 2018
- Attended, Faculty Development Conference presentations, "ACCESS Accommodations-Faculty Legal Obligations," "Tools for Video Development and Editing," "COAT Assignment Alignment Workshop," Spring 2019

College Service and Student Support

- Serve, Program Review Steering Committee, Fall 2018-present
- Served, English Faculty Search Committee, Spring 2019
- Volunteer, Summer Math and Science Half-Day Camp, Interdisciplinary Physics and Chemistry station at Fort Worth Museum of Science "Chemistry Day," and St. Mark's Science Night, Fall 2018-present
- Volunteer and Organizer, Collin College Star Parties, Summer 2017-present
- Assisted, Class Visits for Adjunct Faculty, Spring 2019
- Serve, Program Review Sub-Committee for Program Review Guidelines, Spring 2019-present
- Assisted, Dual Credit English Composition project to document Veteran Service, Library of Congress, Spring 2019
- Served, Faculty Advisor to Physics Club, Fall 2018

Leadership and Awards

- Discipline Lead, Physics Department, Fall 2017-present