



## Admission Package

### Admission to the Ph.D. program requires:

- Transcripts of bachelor's or master's degree in any field of mathematics, science or engineering
- GRE scores
- TOEFL (for International students)
- Statement of purpose
- Three recommendation letters

### Students should apply to the CPS program online at the Graduate School webpage:

[www.utep.edu/graduate](http://www.utep.edu/graduate)

**In order to be admitted to the Program,** the candidates are expected to have sufficient skills in mathematics, natural sciences, computers, and programming. These skills are prerequisites for the core courses CPS 5401 and CPS 5320 .

The University Of Texas at El Paso



Computational Science Program



# Computational Science Program

## Vision

The vision of the Computational Science (CPS) Program is an interdisciplinary one, a synergy of different fields, that yields an integrated knowledge-base for the effective solution of complex systems where computer usage plays a fundamental role.

## Mission

To produce a new generation of students that will acquire an integrated understanding of scientific processes and the tools required to address the modeling, simulation, and evaluation of such processes.

## For more information, contact:

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CPS Program Director

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## Research Areas

CPS is developing interdisciplinary research in areas such as numerical optimization, signal and image processing, multi-criteria decision making, computational solid mechanics and computational fluid dynamics, tectonics and structural geology, interval computations, intelligent control, statistical bioinformatics, reasoning under uncertainty, electron induced processes in semiconductors, computational partial differential equations, development of high performance adaptive numerical methods, non-parametric regression, biostatistics, mathematical statistics, and dynamic adaptation of applications.

## Program Overview

The program offers M.S. and Ph.D. degrees. The M.S. program provides two options: a thesis track, which prepares students to continue with further academic studies; and a professional track, that prepares students to join the work force after graduation.

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<http://academics.utep.edu/compsci>