

# Certified Specialist in Predictive Analytics (CSPA)

*Commitment Beyond Numbers*



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# The CAS Institute (iCAS)

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- Subsidiary of the Casualty Actuarial Society
- Offers credentials and specialized education for quantitative professionals
- iCAS designations are separate from actuarial credentials
- Designed for professionals in areas such as predictive analytics, data science, and catastrophe modeling analytics
- The CAS has partnered with the Institutes
- The CAS Institute began offering programs in late 2016

# Certified Specialist in Predictive Analytics (CSPA)

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- Capitalize on “Big Data” era of risk management for insurance companies
- CSPA credential applicable for actuaries and non-actuaries
- Help build analytics skills through initial process and ongoing continuing education
- CSPA offers analytics professionals ability to certify skills specifically applied to P&C
  - Focus on insurance and technical knowledge
  - P&C insurance-focused data scientist
- Over 250 CSPAs so far

# Certified Specialist in Predictive Analytics (CSPA)

## 1. PROPERTY – CASUALTY INSURANCE FUNDAMENTALS



Covers the core principles underlying P&C insurance and risk management, and introduces the primary concepts needed for analyzing and modeling P&C data and risks.

## 2. DATA CONCEPTS AND VISUALIZATION



Covers the foundational concepts and tools associated with preparing and managing data and datasets to be used in quantitative analyses, predictive modeling and data analytics with applications for P&C insurance.

## 3. PREDICTIVE MODELING – METHODS AND TECHNIQUES



Covers the concepts, methods and tools used for statistical analyses, predictive modeling and data analytics for P&C insurance applications.

## 4. CASE STUDY PROJECT



Demonstrates a candidate's ability to apply the knowledge and skills covered in the other CSPA requirements.

Online course on Ethics & Professionalism also required

Source: <https://thecasinstitute.org/credentials/predictive-analytics-and-data-science/>