

# SIGMA Assessment Systems

## Differences Between the JCE and JVIS



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1. **Fewer Items and Shorter Administration Time.** The JCE is comprised of 170 items and takes 20 minutes to complete, whereas the JVIS is comprised of 289 items and takes 45 minutes to complete.
2. **Likert Response Scale.** The JCE utilizes a five-point Likert response scale rather than a forced choice or ipsative format.
3. **New Norms.** Updated norms consist of 527 students and career seekers.
4. **Improved Presentation of Basic Interest Scales.** Basic interest scale scores for the JCE are presented in order of highest to lowest with top interests and low interests colored green and red respectively. Work roles and work styles are now presented separately for ease of interpretation. One previous work style (Authoritarian Leadership) is now categorized as a work role.
5. **Revised Scale Names and Descriptions.** The foundation of the JVIS, the Basic Interest scales, remains unchanged with the development of the JCE. Some changes were made to terminology, scale names, and scale descriptions to enhance clarity. See Table below. The General Occupational Themes were renamed Work Personality Scores.

Basic Interest Scale – Former	Basic Interest Scale - Revised
Dominant Leadership	Authoritarian Leadership
Stamina	Endurance
Supervision	Supervising Others
Human Relations Management	Mediation and Persuasion
Professional Advising	Consulting
Planfulness	Organization
Work Personality Scale – Former	Work Personality Scale – Revised
Socialized	Structured
Communicative	Informative

6. **Removal of the Academic Satisfaction Score.** The Academic Satisfaction score was removed from the JCE to prevent misinterpretation of the score. This decision was made based on feedback from clients and experts in the field.
7. **Item Testing.** A comprehensive two-stage revision process was completed where 75 new items were tested to ensure up-to-date content, clarity, modern language, and accurate and thorough representation of each Basic Interest (BI) construct. The top 5 performing items for each BI scale were identified and selected using rigorous psychometric standards and best practice for item retention, resulting in a refined set of 170 items selected from a pool of 245 items.

8. **Separate Response Scale for Work Styles.** JCE Basic Interests are categorized as Work Roles and Work Styles. Since Work Styles tend to measure items that more closely relate to preferences for work environments rather than interests, it was appropriate to modify the response scale accordingly. Respondents are asked to indicate the extent to which they agree with each descriptive statement, using a scale from one to five (1= Strongly Disagree, 2= Disagree, 3= Neutral, 4=Agree, 5=Strongly Agree).
  
9. **Updated Report and Presentation of Results.** The JCE report was designed to be easier to interpret for both the test taker and counselor. The JCE report employs color coded interpretation guidelines, simplified scoring information, new and improved resources, and an expanded section of general career exploration information, resulting in a convenient interactive ad user-friendly report.