SAS Education Analytic Suite Product Descriptions

*SAS® Enterprise Guide® Software*
SAS Enterprise Guide is an easy-to-use, project-oriented Windows application that provides access to the analytic power of SAS. Business analysts, statisticians and SAS programmers can gather and manage the data they need, and perform meaningful analyses quickly.

The point-and-click interface guides users through the analytical process and makes it easy to create reports, graphs and charts, and to deliver the results throughout the organization.

*Base SAS® Software*
Base SAS is the centerpiece of all SAS software. Base SAS delivers a highly flexible and extensible fourth-generation programming language specially designed for data access, transformation and reporting. It includes a rich library of encapsulated programming procedures for data manipulation, information storage and retrieval, descriptive statistics and report writing.

*SAS/ACCESS® Software*
SAS/ACCESS engines provide seamless and transparent read/write/update access to more than 60 data sources, including relational and non-relational databases, PC files, data warehouse appliances and distributed file systems.

*SAS/AF® Software*
SAS/AF is an interactive applications development environment that lets you harness the power of the SAS System for data access, management, analysis, and presentation.

*SAS® Bridge for ESRI*
SAS Bridge for ESRI combines the power of SAS with the spatial analysis and cartographic capabilities of ESRI's ArcGIS suite. With the depth and breadth of both SAS and ESRI, customers are better equipped to explore, understand, analyze and deliver sound spatially-enabled business intelligence.

The SAS Bridge for ESRI is a point-and-click interface between ArcGIS and Base SAS and provides foundation level linkage between the two platforms. .NET classes are provided for customers to develop their own interface and applications. The SAS Bridge for ESRI allows for the import and export of both attribute and coordinate data from point, line, polygon, and raster features from ArcGIS to SAS.

*SAS/CONNECT® Software*
SAS/CONNECT software establishes connections between networked computers with different operating systems and enables you to combine their computing resources for more efficient IT enterprise-wide. With the ability to access, manage and process data in distributed environments, you can maximize use of all resources to shorten execution times and speed decision making.
**SAS/EIS® Software**
SAS/EIS software, an integrated component of the SAS System, provides a syntax-free environment for building user-friendly enterprise information systems. It offers a code-free development environment that consolidates the SAS System's capabilities for data access, management, analysis, and presentation. Capabilities include data management and consolidation, graphical drill down, variance reporting, forecasting, financial reporting, critical success factors, what-if analysis, access to external data sources and E-mail facilities, and the ability to integrate any application built using the SAS System. SAS/EIS software also includes a metabase for defining attributes of EIS data sets and variables.

**SAS/ETS® Software**
SAS/ETS offers a broad range of time series, forecasting and econometric techniques enabling users to model, forecast and simulate business processes for improved planning. It provides integrated capabilities for financial analysis and reporting with direct access to commercial financial databases. Users can model complex business scenarios and analyze the dynamic impact specific events may have on an organization over time.

The included Time Series Forecasting System is a point-and-click interface that provides interactive exploration and forecasting, and the Investment Analysis System allows interactive analysis in support of financial decision making.

**SAS/FSP® Software**
SAS/FSP lets you interact with your data using integrated tools for data entry, computation, query, editing, validation, display, and retrieval. It provides easy-to-use facilities for interactive data entry, editing, browsing, retrieval, and letter writing. You can create customized data entry screens that simulate business forms; create table-like data entry screens for quick updating; browse external files; generate personalized form letters for mail-merge applications; and create data entry applications that include cross validation of field values, table lookup capabilities, and other data manipulations. Computed fields, field protection, and hidden fields are also supported.

**SAS/GRAPH® Software**
SAS/GRAPH provides high-impact visuals to all levels of your organization, giving customers a quick and easy understanding of information and empowering them to make informed, timely decisions. SAS/GRAPH software extends the power of SAS' data management, business intelligence and analytic tools, allowing customers to turn data into eye-catching, full-color graphs and charts in seconds.

**SAS/IML® Software**
SAS/IML (Interactive Matrix Language) provides a powerful and flexible matrix programming language in a dynamic, interactive environment. The SAS/IML Studio interface provides interactive programming and exploratory data analysis. Simple syntax makes it easy to translate mathematical formulas into program statements. Users can program easily and efficiently with the many features for arithmetic and character expressions. In addition, users can submit R code within SAS, enabling experimentation with new methods not yet implemented in SAS.

Users can apply SAS/IML software to problems ranging from simple matrix manipulations to estimation techniques, linear programming and nonlinear optimization. An extensive set of mathematical and matrix operators make the possibilities endless.
**SAS/IML® Software** (continued)
SAS/IML is designed for programmers, statisticians, researchers and high-end data analysts who need a versatile computing environment that enables them to apply innovative statistical methods and to understand the multivariate relationships found in complex data.

**SAS/INSIGHT® Software**
SAS/INSIGHT makes all graphs and analyses dynamic so you can spin a three-dimensional plot to explore your data and click on points to identify them.

**SAS® Integration Technologies**
SAS Integration Technologies provides an intelligent application environment in which data from unrelated systems can be gathered, stored, analyzed and distributed in a simple and timely manner. These technologies deliver on the promise of SAS by allowing disparate systems to contribute data and information to an integrated, enterprise wide business intelligence strategy.

**SAS/LAB® Software**
SAS/LAB software provides guided data analysis for meeting the day-to-day analytical and data presentation needs of engineers and scientists.

**SAS/OR® Software**
SAS/OR software includes a bundle of optimization, project scheduling and simulation software. Over 2,500 sites worldwide use SAS/OR software to address business challenges such as:

- Resource allocation and staffing
- Product mix, logistics and supply chain optimization
- Capital budgeting and portfolio selection

SAS is the only operations research vendor with advanced optimization solvers — including linear programming, mixed integer programming, quadratic programming and non-linear programming — that are fully integrated with a full suite of analytics, data handling, and reporting capabilities.

**SAS/QC® Software**
SAS/QC software delivers a wide range of specialized tools that help organizations identify and understand the sources of process variation, enabling improved product quality, optimized processes and increased customer satisfaction. SAS/QC uses data from across an organization to enable users to discover root causes of problems, and goes beyond basic process control to provide more complex statistical analyses, enabling the creation of more efficient, cost-effective business processes.

SAS/QC is targeted primarily at organizations that need to solve a quality problem (e.g., aerospace, automotive, manufacturing, electronics, semiconductor), achieve compliance with regulatory standards (e.g., pharmaceutical, biotechnology), or improve the quality of services being delivered (e.g., managed healthcare).
**SAS/SECURE®**
SAS provides encryption services to increase the security of transmissions across a network. SAS/SECURE software makes use of the cryptographic services provided by RSA’s encryption algorithms and Microsoft’s CryptoAPI ciphers and is subject to export regulations. A form of fixed encoding is also provided with Base SAS software.

**SAS/SHARE® Software**
SAS/SHARE is a data server that allows multiple users to gain simultaneous access to SAS files.

**SAS/STAT® Software**
SAS/STAT software provides organizations with access to the most up-to-date statistical techniques including extensive capabilities for both specialized and enterprise-wide analytic needs.

It is designed to handle vast amounts of disparate data from a variety of sources, all with the aim of providing the most reliable analysis available. In delivering these capabilities, SAS/STAT is able to efficiently answer questions about a specific business issue or problem and help support strategic decisions that drive a project or even an entire organization.

SAS/STAT provides extensive statistical capabilities for both specialized and enterprise-wide analytical needs, helping you analyze data and make informed decisions for research, engineering, manufacturing, medical, government, academic, and business applications.

**Note:** Additional information for each EAS product is available at [http://www.sas.com/products/index.html](http://www.sas.com/products/index.html).
Training via SAS e-Learning
SAS EAS customers have unlimited access to relevant on-demand e-Learning to learn more about how to optimize their use of SAS software.

- SAS Programming Language
  - SAS Programming Introduction: Basic Concepts
  - SAS Programming I: Essentials
  - SAS Programming II: Data Manipulation
  - SAS Programming III: Advanced Techniques and Efficiencies
  - SAS Macro Language I: Essentials
  - SAS SQL I: Essentials

- SAS Enterprise Guide (point-and-click interface)
  - SAS Enterprise Guide I: Querying and Reporting
  - SAS Enterprise Guide 2: Advanced Tasks and Querying

- Statistics
  - SAS Enterprise Guide: ANOVA, Regression and Logistic Regression
  - Statistics I: Introduction to ANOVA, Regression and Logistic Regression