

BONN-RHEIN-SIEG UNIVERSITY: PREPARING STUDENTS FOR THE DIGITAL BUSINESS WORLD



**Hochschule
Bonn-Rhein-Sieg**
University of Applied Sciences

University Partner

The Bonn-Rhein-Sieg University of Applied Sciences was founded in 1995 and is in three locations near Bonn: Sankt Augustin, Rheinbach and Hennef. Though young, the university already has 7,500 enrolled students, 145 professors and more than 200 research associates. Additionally, 260 highly qualified lecturers from business and industry sectors add to the versatile education at the university. As a prospective graduate, one learns to build bridges between the fields of computer science and business administration.

Industry

Public Sector/Research & Education

Solution set

Integration Education Package (IEP), including webMethods Integration Server, webMethods BPM Suite and webMethods Composite Application Framework

Key benefits to faculty members:

- Predefined teaching material, including tutorials and corresponding solutions
- Decreased lecture preparation time
- Packages are free of charge
- Keeping students excited through leading-edge and easy-to-use software

Key benefits to students:

- Expanded knowledge in integration of systems and applications and in orchestrating Service-Oriented Architectures (SOA)
- An overview of integration server platforms
- In-depth experience with business process platforms and especially Business Process Modeling Notation (BPMN™)
- Teamwork and management skills as a preparation for future careers
- Free certification

20+STUDENTS



WORK
ON
PACKAGE



EXCELLENT
head start for
STUDENT

CAREERS



**CERTIFICATION
FROM
SOFTWARE AG**
FOR FUTURE
JOB SEEKERS



EXPERIENCE
**LEADING-EDGE
TECHNOLOGY**

The digital revolution does not stop short of a university's doors. No matter the field, every business must become digital. Universities are affected both in their internal transformation processes and in the content of their curriculums. As a result, the University Bonn-Rhein-Sieg faces, as any other university today, several major challenges: Attract students with new standards in research and education, apply and develop state-of-the-art technologies, respond fast to changing industry demands, and teach theory through practice. Today's growing demand for specialists in the fields of the digital business

makes recognizing opportunities for collaboration with the private sector all the more necessary. Universities and private companies share the responsibility of equipping the market with sought-after talent.

The Bonn-Rhein-Sieg University of Applied Sciences considers close and sustained cooperation with companies to be a valuable opportunity and offers market-oriented projects to their students. Not only do students gather technical skills, but more importantly they establish professional social skills and contact with a company as well.

"We are pleased to be able to work with Software AG. We can say that Software AG's University Relations Integration Education Package is outstanding in the educational sector."

— **Prof. Dr. Rüdiger Buck-Emden** | Professor at Bonn-Rhein-Sieg University of Applied Sciences, Germany

Products included in the IEP:

webMethods Integration Server

A standards-based enterprise service bus that integrates technologies from any vendor, including ERP systems, databases, mainframes and legacy apps, SaaS platforms, Web services, Java® Message Service and packaged apps. Can be used with webMethods BPMS or webMethods Trading Networks.

webMethods BPM Suite

Allows organizations to develop, execute and monitor business solutions that combine process automation and workflow management capabilities. Add-on tools incorporate monitoring, real-time events, rules management and more.

webMethods Composite Application Framework

With minimal effort, you can create the rich, interactive applications your business colleagues need to do their jobs—faster. webMethods Composite Application Framework (CAF) is an easy-to-use development environment that works seamlessly with webMethods BPMS. You can codelessly create user-centric apps that combine a wide range of information sources and services onto a single screen.

For more information, visit:

www.softwareag.com/university

To contact us, send an email to:

university@softwareag.com

The University of Bonn-Rhein-Sieg has been using an earlier version of the IEP since 2011 and was excited to use the new one. The university and Software AG's University Relations department are very pleased about the successful partnership.

The package

The IEP is designed to be a full-term independent study project, which requires students to develop a cutting-edge process-driven campus management system for a virtual customer—the "University of Almamater." To do this, multiple systems and applications must be integrated.

The package includes interviews with the university's staff and students, which allow the IEP participants to analyze requirements while, at the same time, identify their tasks. This IEP addresses students majoring in business management, business information and computer systems.

Working with real business scenarios

The students at Bonn-Rhein-Sieg University of Applied Sciences used Software AG technology to integrate applications and free developed Web services in an SOA. The resulting browser-based interface allowed multiple teams of students to access the underlying system. Students who participated in this IEP were working on a degree in computer science with most of them with focused on business information systems.

Working with a real-life integration scenario provides a welcome addition to the university curriculum: "It was great to learn something new with a clear understanding as how and where the course contents can be used in real business cases," a student of Prof. Dr. Rüdiger Buck-Emden said.

The students were also certified free of charge, which gives them a qualification to list in future job applications.

The faculty members were delighted by the motivation with which the students addressed the package-specific problems.

Support

Self-explanatory project packages enabled students to work independently. With the help of "cookbooks," they were introduced to the rapid integration of systems, services, devices, processes, business partners and data. Whenever questions arose, Software AG University Relations assisted.

Benefits of the IEP

While finding it difficult at first, the team of students managed to successfully tackle the obstacles through teamwork and a bit of patience. So they also learned soft skills like team building. For Prof. Buck-Emden, the package "fits perfectly with our specific topics of interest and with the University's curriculum," he said. Everyone involved has benefited. Students take advantage of using professional software to solve life-like problems and enjoy the chance to learn outside of the traditional classroom. Theoretical principles become anchored through practical experience.



(c) HBRS/Lichtenscheidt

ABOUT SOFTWARE AG

Software AG offers the world's first Digital Business Platform. Recognized as a leader by the industry's top analyst firms, Software AG helps you combine existing systems on premises and in the cloud into a single platform to optimize your business and delight your customers. With Software AG, you can rapidly build and deploy digital business applications to exploit real-time market opportunities. Get maximum value from big data, make better decisions with streaming analytics, achieve more with the Internet of Things, and respond faster to shifting regulations and threats with intelligent governance, risk and compliance. The world's top brands trust Software AG to help them rapidly innovate, differentiate and win in the digital world. Learn more at www.SoftwareAG.com.

© 2015 Software AG. All rights reserved. Software AG and all Software AG products are either trademarks or registered trademarks of Software AG. Other product and company names mentioned herein may be the trademarks of their respective owners.

SAG_Bonn-Rhein-Sieg-University_RS_Dec15

