

The Juniper Networks® Academic Alliance (JNAA) program is our innovative, flexible approach to bringing Juniper technology to the academic community. The Mission of the Academic Alliance is to foster a closer relationship between Juniper Networks and the Academic community.

# JUNIPER NETWORKS ACADEMIC ALLIANCE

The Juniper Networks Academic Alliance program recognizes that one size does not fit all and there may be specific areas of interest where your department focuses its current activities. To that end, our program offers a flexible engagement model. Institutions may choose one or both of the components to customize the level of involvement in order to meet their specific needs. We invite you to explore the different components and learn how they apply to your requirements.

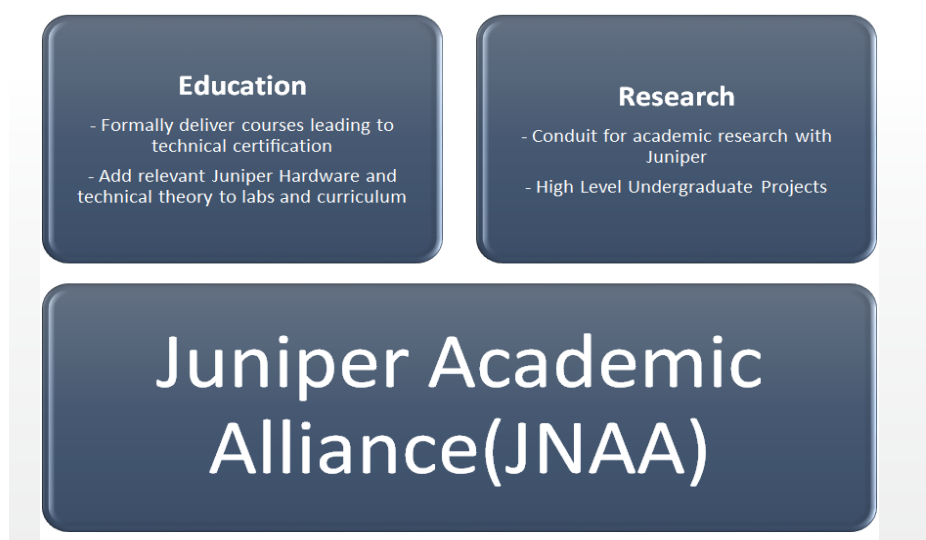


Figure 1: Academic Alliance Program Components

The JNAA program is unique in the industry with this ability to accommodate your institute's needs and provide your students with unparalleled opportunities by giving them access to industry-leading technologies and resources to support them in technical training, certification, research and development.

## Juniper Networks Academic Alliance : The Best Fit for Your Needs

The JNAA program's modular approach allows your college or university to build a partnership model unique to its needs.

### **EDUCATION:** Expose students to Juniper technology by including course modules in current curriculum

Our aim is to provide instructors a variety of course material that they can incorporate into their curriculum in ways which they see fit. Members have access to Juniper-authored training materials that can be used as a resource to augment their current courses and curriculum, along with discounts on Juniper Networks products (for use as lab equipment) including our innovative virtual lab infrastructure, or member hosted environments (using our vSRX and vMX platforms).

## Deliver Juniper Networks training courses as part of your university curriculum.

For some schools, the use of our courseware in a formal learning environment, either in a credit-earning course, or in an extra-curricular course, is more in keeping with their needs. This naturally builds to Juniper Networks professional certification opportunities in several of the learning paths that make up Juniper Networks' Certification Program. Additional value is offered to students through vouchers that can be used towards these exams.

However schools are also free to pick and choose among the course materials available and offer students the right mix of experience for their needs. So for example if an instructor wishes to incorporate a lesson on OSPF, VLANs, or IPSec VPNs they can do so (with accompanying labs) without necessarily teaching the whole course.

Lastly new courses in areas such as network automation are being made available to make sure your students are current with the latest industry trends.

## Research (2017 launch): Innovative research opportunities from undergraduate projects to formal academic research.

This component of the JNAA program gives institutions the opportunity to engage with an industry leader at a variety of levels. The idea here is to provide students and their instructors the chance to work with Juniper on problems that will either test their abilities and give them additional opportunities to learn and grow, or in the case of a university researcher, provide them with a channel to collaborate with industry including Juniper Networks, and potentially some of our customers as well.

As with the educational component of the JNAA program, the idea here is creating something which makes sense for our individual member schools. If a school is interested more purely in teaching, they don't have to participate in the research component. However if they are looking for capstone, or independent study projects for students, or if professors are working on research they think could impact the industry, the JNAA program will work to enable either or both.

## Undergraduate Projects: Collaborate with Juniper Networks in finding solutions for real world problems.

A unique opportunity for students to be exposed to practical issues within the networking field as an independent study or capstone project. Relevant problems from the field will be sourced by Juniper engineers for students to tackle. The student will benefit from feedback and dialogue with current Juniper employees and hands-on experience dealing with real problems.

## Open Research: Juniper Networks strives to break ground on new ideas in partnership with the academic community

Undertake research in topics of interest as identified by Juniper over a 4-6 year time horizon. With access to Juniper resources for testing and development, this is a unique opportunity for institutions to set themselves apart within the field and seek out new ideas and solutions within areas of interest.

## Collaborative Projects: Partner with Juniper Networks on efforts taking place in your institution in areas of common interest.

A true joint research opportunity between a member institution, Juniper Networks and potentially additional parties from industry. Research areas are not limited to those specifically involving Juniper Networks' products, rather the wider technologies and work relating to the ongoing development of communication networks, networking equipment, microelectronics, and so forth. Qualifying projects will receive direct engagement from Juniper Networks' Research and Development organizations, and may even be eligible for funding.

## Benefits of JNAA Membership

While the exact benefits derived from the JNAA program will vary depending on how your institution chooses to engage with Juniper Networks, they may include:

- Access to Juniper Networks course material and learning resources
  - Traditional network engineering materials as well as newer topics like SDN and automation.
  - Vouchers and practice materials for Juniper professional certifications
  - Discounts on lab equipment for teaching and/or access to Juniper hosted virtual lab environments to support the curriculum
- Research opportunities for undergraduates and academic researchers
  - Capstone or independent study projects for undergraduates for students and instructors looking to go beyond the formal training
  - Collaborative research opportunities for academic researchers in areas of joint interest
- Job placement opportunities for students who gain certifications
  - Internships and post-graduate positions with Juniper and with Juniper partners and customers may be available
- Competitions for interested students

## Join our growing Academic Alliance

Expand your offerings as a Juniper Networks-recognized institution, and through our flexible approach, open the door to increased opportunities for your students as a Juniper Networks Academic Alliance partner. For more information, we invite you to visit our website at [www.juniper.net/academicalliance](http://www.juniper.net/academicalliance), email us at [jnaa@juniper.net](mailto:jnaa@juniper.net), or contact us by phone at +1 978 589-0867.

## About Juniper Networks

Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide. Additional information can be found at [www.juniper.net](http://www.juniper.net).

### Corporate and Sales Headquarters

Juniper Networks, Inc.  
1194 North Mathilda Avenue  
Sunnyvale, CA 94089 USA  
Phone: 888.JUNIPER (888.586.4737)  
or 408.745.2000  
Fax: 408.745.2100  
[www.juniper.net](http://www.juniper.net)

### APAC Headquarters

Juniper Networks (Hong Kong)  
26/F, Cityplaza One  
1111 King's Road  
Taikoo Shing, Hong Kong  
Phone: 852.2332.3636  
Fax: 852.2574.7803

### EMEA Headquarters

Juniper Networks Ireland  
Airside Business Park  
Swords, County Dublin, Ireland  
Phone: 35.31.8903.600  
EMEA Sales: 00800.4586.4737  
Fax: 35.31.8903.601

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