Resources at a glance

Accessibility at IU
accessibility.iu.edu

Canvas
canvas.iu.edu

Classroom Technology Services
learningspaces.iu.edu

Cloud storage
box.iu.edu

IT Training
ittraining.iu.edu

IU ETexts
etexts.iu.edu

IU Knowledge Base
kb.iu.edu

Mosaic
mosaic.iu.edu

One.IU
one.iu.edu

Online safety and security
protect.iu.edu/online-safety

Research/academic services and support
pti.iu.edu

Teaching at IU
teaching.iu.edu

Technology Tool Finder
toolfinder.iu.edu

Two-Step Login (Duo)
twostep.iu.edu

UIITS faculty guide
uiits.iu.edu/facultyguide

UIITS Support Center
uiits.iu.edu/support

Faculty Technology Guide
Academic Year 2018-19
Indiana University is home to leading scholars, researchers, and educators.

It also features some of the nation’s best tech resources via University Information Technology Services (UITS).

From around-the-clock tech support to one of the world’s top research supercomputers, UITS offers a broad range of tools and resources to support your teaching and research.

**Data management**

All personally identifiable student education records require protection. The Critical Data Guide provides practical tips for identifying and either securely storing or securely disposing of sensitive data.

Consult the Data Sharing and Handling tool or appropriate data manager/data steward if you’re unsure whether you need to apply special care and handling to your data.

data_mgmt.iu.edu

**Two-Step Login with Duo**

Required for all IU faculty, staff, and students.

Two-Step Login (Duo) provides an additional layer of security when you log in to some IU systems. Two-Step Login, also known as two-factor authentication, helps protect sensitive data and guard against increasingly sophisticated email and online scams (e.g., phishing attacks).

two_step.iu.edu

**Phishing scams**

Fraudulent messages often end up in your inbox. They’re sent by thieves posing as familiar institutions or people in an attempt to gain confidential information. Clicking on links within these emails could lead to identity theft, stolen paychecks, compromised IU accounts, and more.

Here’s how to protect yourself:

- Use Think Before You Click resources to learn how to spot signs of phishing scams.
- Take advantage of self-guided training in Canvas (go.iu.edu/1DEb).
- Install the PhishMe Reporter add-in for Outlook (kb.iu.edu/d/aogv) to report suspected phishing.

phishing.iu.edu
Tech help & consulting

Individual support
Trained UITS Support Center consultants are available 24/7 for one-on-one assistance with tech issues via online chat, email, or by phone. In-person support is also available.

uits.iu.edu/support

IU Knowledge Base
The Knowledge Base (KB) is home to thousands of answers to common questions about computing at IU. If you’re a do-it-yourselfer, search the Knowledge Base for current answers to tech questions.

kb.iu.edu

IT Community Partnerships
Local IT professionals can address questions particular to your department or school. If you need to know who they are, or have questions about how to access support or other services, you can turn to ITCP.

talk2uits@iu.edu

Online safety & security

Protect IU
Your online safety is important. The University Information Policy Office and the University Information Security Office help increase awareness about email and phishing scams, keeping data safe, and avoiding identity theft. You can ensure your everyday security with:

- Digital signatures, so recipients know your email has not been spoofed or altered by a scammer
- The Incident Response Webservice, which can show you when and where (via IP address) your account has been accessed

protect.iu.edu/online-safety

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talk2uits@iu.edu
Campus teaching and learning centers

IU Bloomington—Center for Innovative Teaching & Learning
citl.indiana.edu
812-855-9023

IUPUI—Center for Teaching & Learning
citl.iupui.edu
317-274-1300

IUPUC—Center for Teaching & Learning
iupuc.edu/academics/resources/center-for-teaching-and-learning
812-375-7530

IU East—Center for Teaching & Learning
www.iue.edu/ctl
765-973-8561

IU Kokomo—Center for Teaching, Learning, & Assessment
iuk.edu/ctl
765-455-9534

Pervasive Technology Institute (PTI)
Collaboration is key in today’s research environment. The seven centers that make up PTI convert new innovations in IT and cyberinfrastructure into robust, practical tools.

- Center for Applied Cybersecurity Research (CACR): performs cybersecurity research, analysis, and training services
- Data to Insight Center (D2I): carries out foundational research in the social and technical challenges of data use in research and scholarship
- Digital Science Center (DSC): explores new applications of grid and cloud technologies, working to define powerful new computational techniques
- HathiTrust Research Center (HTRC): provides secure access to 16 million+ books, most of which are under copyright
- National Center for Genome Analysis Support (NGAS): supports genomics research, including genome and transcriptome assembly
- Science Gateways Research Center (SGRC): takes complicated data analyses and simulations, and simplifies and secures performing them online
- UITS Research Technologies (RT): delivers and supports cyberinfrastructure resources, described in the preceding pages

PTI centers also aid grant competitiveness by offering custom programming services which can be written into your grant budgets. Contact pti@iu.edu for more information.

pti.iu.edu
Tech help & consulting

IT Training
Faculty, staff, and students can take advantage of training on many of IU’s IT services and initiatives, via:
• Online courses and videos
• Webinars and events
• Custom training sessions (for 10 or more people)
• Discounted training from leading vendors
ittraining.iu.edu

AskIU
IU Contact Centers provide this general information question-and-answer service to all IU campuses.
uits.iu.edu/askiu

Research Technologies
Trained expert consultants for advanced computing, storage, software, and visualizations.
rt.iu.edu
Learn more on the Advanced computing & research tab.

Healthcare IT
Contact Clinical Affairs IT Services for specialized tech support, application development, infrastructure, and multimedia technology services.
caits.iu.edu
Teaching & learning resources

**Unizin**
The Unizin consortium works to provide faculty and students with more digital learning options. [unizin.iu.edu](http://unizin.iu.edu)

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- Assignment feedback via text, video, and audio
- Analytics of individual student performance
- Integration with other teaching and learning tools and services
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**Computing & Storage**
**REsearch Desktop (RED):** Graphical, remote service for computing and transferring data to storage
**RADaRS:** Highly secure environment for accessing and analyzing datasets from a personal workstation

**Computing systems (supercomputing):**
- Big Red II supercomputer: High-performance, parallel computing
- Big Red II+ supercomputer: Large-scale, compute-intensive research
- Carbonate supercomputer: High-performance, data-intensive computing
- Karst supercomputer: Large processing capacity, over long periods of time
- Research Database Complex: Research-related databases and data-intensive applications that require databases
- Storage and high-performance file systems

- Slate and Slate Condo: High-performance Lustre file systems with persistent storage
- DC-WAN2: Project space accessible and shareable at multiple sites
- Data Capacitor II: High-throughput, high-bandwidth Lustre-based file system
- Geode: Replicated, disk-based home directory for code storage and sharing
- Scholarly Data Archive: Large-scale archival or near-line data tape storage

[kb.iu.edu/d/anrf](http://kb.iu.edu/d/anrf)

**Education & Outreach**
- Enroll in a Supercomputing for Everyone Series workshop or request a tour, workshop, seminar, or display.

[kb.iu.edu/d/arvx](http://kb.iu.edu/d/arvx)
Advanced computing & research

Research Technologies (RT)
rt.iu.edu

Consulting
- System-specific help for computing, storage, and high-performance file systems
- Support for stat/math, bioinformatics/genome analysis, and GIS/remote sensing software
- Programming help for migration, optimization, and parallelization of scientific code
- Optimization of existing visualizations, interactions, or media application workflows
- Digital arts & humanities research support for adoption and adaption of current technologies, as well as creation of custom solutions
- Grant proposal resources, including facilities statements and letters of support

kb.iu.edu/d/alfa

Software
- Centrally-managed licenses for scientific applications and programming tools
- Bioinformatics and genome analysis software
- Stat/math, GIS, and remote sensing software in STCs and on shared systems
kb.iu.edu/d/bade

Visualization
- IQ-Wall: Large-format, ultra-resolution displays
- IQ-Table: Multi-touch, horizontal, mobile monitor
- Reality Labs: Virtual reality classrooms and community spaces
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- Loan library of visual technologies
- Experimental virtual and augmented reality
- Systems for digitizing real-world 3D objects
kb.iu.edu/d/apcl

Canvas Studio
Explore a repertoire of customizable course templates and how-to resources to get your Canvas course started—or enhance an existing Canvas site.
go.iu.edu/CanvasStudio

Reading Lists
Available within Canvas, Reading Lists can help you create and manage links to online journals and ebooks, campus library holdings, web resources, and course reading assignments.
kbiu.edu/d/aolk

Technology Tool Finder
Discover tools and services to help deepen student learning. All tools are IU-supported.
toolfinder.iu.edu

Teaching.IU
Connect with IU’s teaching and learning community. Support resources range from ProfessorPedia and Great Conversations to active learning and teaching online.
teaching.iu.edu

KeepTeaching.IU
When an emergency or unexpected campus closure disrupts scheduled class meetings, access KeepTeaching to quickly learn technologies to take your class online.
keepteaching.iu.edu
Learning Spaces
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- Designs that facilitate active learning and collaboration
- Integrated audio/visual and IT systems
- Classroom Technology Services support for installed equipment

learningspaces.iu.edu

Zoom
With Zoom, you can meet virtually from a conference room, your computer, or even your mobile device. Zoom offers:

- High-quality video and audio support
- Easy-to-use tools for collaborating online
- Options for high-quality audio and video recordings

zoom.iu.edu

Box@IU
It’s more than an online file cabinet. It’s a no-cost, secure, unlimited cloud collaboration and storage service that faculty, students, and staff can access on any device. With your Box account, you can:

- Store a variety of documents and multimedia files
- Host collaboration folders with anyone (even outside IU)
- Collaborate in documents in real time
- Provide and gain access to large files
- Annotate, review, and track documents
- Create simple workflows using threaded discussions and assigned tasks

box.iu.edu

Broadcast
IU Broadcast helps you distribute files of any size to your students’ Box accounts. The high-speed file sharing service also integrates with Canvas.

kb.iu.edu/d/bffi

Cloud storage & online collaboration
Cloud storage & online collaboration

Google at IU
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google.iu.edu

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kaltura.iu.edu

Skype for Business
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kb.iu.edu/d/bfmt

REDCap (Research Electronic Data Capture)
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kb.iu.edu/d/bdhl

Active learning & assessment tools

Mosaic Active Learning Initiative
The Mosaic Initiative explores how space, technology, and pedagogy intersect, and helps support active and collaborative learning in all classrooms through:

- Research into innovative classroom design
- Interactive tours of IU learning spaces
- Open classroom sessions
- The Mosaic Faculty Fellows program

mosaic.iu.edu

Consulting services
Your campus teaching and learning center can help you discover new ways to engage students using technologies for active and collaborative learning.

Find your center in the Tech help and consulting section of this guide.

kb.iu.edu/d/aitz
IU eTexts
Powered by Unizin

eTexts are much more than digital versions of printed textbooks—they’re a range of digital materials that help students learn in and out of the classroom.

- Substantial cost savings (over $14.5M off retail since 2011)
- Students have day-one access, and faculty get real-time analytics
- Faculty and students can share notes, multimedia, links, and annotations

etexts.iu.edu

Download or stream
IU provides faculty, students, and staff with access to hundreds of popular titles, including Microsoft Office and Adobe Creative Cloud, at low or no cost.

IUanyWare
With IUanyWare, you can stream hundreds of applications for teaching and learning. The service also provides a Canvas-integrated virtual desktop and cloud storage. Here’s how to get started:

- Request a specific application for your course through IUanyWare
- Email the IU Client Virtualization Team (iucvteam@iu.edu) for a customized desktop for your course. Custom desktops are already fully integrated with Box, IU Broadcast, and Canvas.
iuanyware.iu.edu

IUware
IUware lets you download the software packages you use most and install them on your desktop or laptop.
iuware.iu.edu

CrimsonCard
CrimsonCard is the official photo ID card for all IU campuses. With your card, you’ll have access to essential university services like printing, libraries, and dining. Your card also provides you secure entry to offices and recreational facilities. You can even use your card as payment on campus and at participating local retailers.
crimsoncard.iu.edu
Savings Tool
Faculty members on the 10-month payment schedule can use the Savings Tool to help determine how much to set aside each month to cover the unpaid months of June and July.

Paycheck Modeler is offered by IU Financial Management Services (FMS). Calculate your take-home pay based on a variety of scenarios, including changes to your tax withholdings and retirement contributions.

Visit one.iu.edu, go to your Employee Center, and click “Payroll and Tax.”

Quick Check
With Quick Check, formative assessments are integrated directly into coursework in Canvas, providing instant feedback for students and instructors.

kb.iu.edu/d/amvdd

Paycheck Modeler
IU Financial Management Services (FMS) offers a tool to calculate your take-home pay based on various scenarios.

calculate.your.takehomepay.com

Top Hat
Top Hat Classroom, a cloud-based tool integrated with Canvas, increases student engagement with real-time feedback via interactive slides, graded questions, discussions, and polls. Plus, it’s no additional cost for students.

tophat.iu.edu

Turnitin
Web-based software integrated into Canvas, Turnitin identifies plagiarism and also includes tools to help students improve their source citation, spelling and grammar, and quoting skills.

kb.iu.edu/d/adv

Qualtrics
Qualtrics is a cloud-based survey tool that allows you to create surveys, view reports, and analyze the results. You can request a Qualtrics account or purchase a license (kb.iu.edu/d/bffx).

qualtrics.iu.edu
**Accessibility tools**
Help create an accessible and inclusive learning environment by taking advantage of resources that make your courses more accessible:

**Texthelp Read&Write Gold**
Literacy software with text-to-speech integration, a “read the web” feature that reads website content aloud, and a screenshot reader that allows text presented as images to be read aloud.

**Assistive technology**
Includes low vision/blind computer access, voice recognition, and reading and writing assistance.

**Alternate media**
Accessible eTexts for interactive reading software and screen-reading software, Braille and tactile graphics, large print, and captioning and audio descriptions.

[kb.iu.edu/d/akag](http://kb.iu.edu/d/akag)

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**Services & software**

**Assistive Technology and Accessibility Centers (ATAC)**
The ATAC provides the tools you need to identify accessibility issues in course content, as well as practical, universal design techniques to help you create inclusive learning environments. Request an accessibility consultation or a training session on best practices.

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Accessibility information and support are right at your fingertips. Learn how to create accessible documents, caption audio and video, find accessibility services, and more.

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**One.IU**
Available via any device, One.IU is your home for hundreds of tasks, including:

- Viewing paycheck and direct deposit details, plus the Employee Benefits portal
- Reviewing and updating Activity Insight, software that’s designed to organize, manage, and report on faculty activities and CV data
- Accessing & securing your IU IT accounts and services
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### Teaching & learning resources

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**Pressbooks**  
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[pressbooks.iu.edu](http://pressbooks.iu.edu)

**NameCoach**  
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[kb.iu.edu/d/anrf](http://kb.iu.edu/d/anrf)

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### Pressbooks

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[pressbooks.iu.edu](http://pressbooks.iu.edu)

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**Unizin**  
The Unizin consortium works to provide faculty and students with more digital learning options. [unizin.iu.edu](http://unizin.iu.edu)

**Pressbooks**  
Powered by Unizin  
With Pressbooks, you can create and publish texts in formats suitable for eReader devices, like a PDF file, website, or ePUB file.  
[pressbooks.iu.edu](http://pressbooks.iu.edu)

**NameCoach**  
Powered by Unizin  
With the NameCoach tool, students, faculty, and staff can create an audio recording of the correct pronunciation of their name and foster inclusion and community in the classroom.  
[kb.iu.edu/d/appu](http://kb.iu.edu/d/appu)

### Computing & Storage

**REsearch Desktop (RED):** Graphical, remote service for computing and transferring data to storage

**RADaRS:** Highly secure environment for accessing and analyzing datasets from a personal workstation

**Computing systems (supercomputing):**  
- **Big Red II supercomputer:** High-performance, parallel computing  
- **Big Red II+ supercomputer:** Large-scale, compute-intensive research  
- **Carbonate supercomputer:** High-performance, data-intensive computing  
- **Karst supercomputer:** Large processing capacity, over long periods of time  
- **Research Database Complex:** Research-related databases and data-intensive applications that require databases  
- **Storage and high-performance file systems:**
  - **Slate and Slate Condo:** High-performance Lustre file systems with persistent storage  
  - **DC-WAN2:** Project space accessible and shareable at multiple sites  
  - **Data Capacitor II:** High-throughput, high-bandwidth Lustre-based file system  
  - **Geode:** Replicated, disk-based home directory for code storage and sharing  
  - **Scholarly Data Archive:** Large-scale archival or near-line data tape storage

[kb.iu.edu/d/anrf](http://kb.iu.edu/d/anrf)

### Education & Outreach

**Enroll in a Supercomputing for Everyone Series workshop or request a tour, workshop, seminar, or display.**  
[kb.iu.edu/d/arvx](http://kb.iu.edu/d/arvx)

### Pressbooks

With Pressbooks, you can create and publish texts in formats suitable for eReader devices, like a PDF file, website, or ePUB file.

[pressbooks.iu.edu](http://pressbooks.iu.edu)

### NameCoach

With the NameCoach tool, students, faculty, and staff can create an audio recording of the correct pronunciation of their name and foster inclusion and community in the classroom.

[kb.iu.edu/d/appu](http://kb.iu.edu/d/appu)

### Canvas

Powered by Unizin  
IU uses the Canvas learning management system (LMS), which features:  
- Assignment feedback via text, video, and audio  
- Analytics of individual student performance  
- Integration with other teaching and learning tools and services

[canvas.iu.edu](http://canvas.iu.edu)
Tech help & consulting

IT Training
Faculty, staff, and students can take advantage of training on many of IU’s IT services and initiatives, via:
• Online courses and videos
• Webinars and events
• Custom training sessions (for 10 or more people)
• Discounted training from leading vendors
ittraining.iu.edu

AskIU
IU Contact Centers provide this general information question-and-answer service to all IU campuses.
uits.iu.edu/askiu

Research Technologies
Trained expert consultants for advanced computing, storage, software, and visualizations.
rt.iu.edu
Learn more on the Advanced computing & research tab.

Healthcare IT
Contact Clinical Affairs IT Services for specialized tech support, application development, infrastructure, and multimedia technology services.
caits.iu.edu
Campus teaching and learning centers

IU Bloomington—Center for Innovative Teaching & Learning
citl.indiana.edu
812-855-9023

IUPUI—Center for Teaching & Learning
cntl.iupui.edu
317-274-1300

IUPUC—Center for Teaching & Learning
iupuc.edu/academics/resources/center-for-teaching-and-learning
812-375-7530

IU East—Center for Teaching & Learning
www.iue.edu/ctl
765-973-8561

IU Kokomo—Center for Teaching, Learning, & Assessment
iuk.edu/ctl
765-455-9534

IU Northwest—Center for Innovation & Scholarship in Teaching & Learning
iun.edu/cistl
219-980-6755

IU Fort Wayne—Center for the Enhancement of Learning & Teaching
pfw.edu/celt
260-481-6354

IU South Bend—University Center for Excellence in Teaching
academics.iusb.edu/ucet
574-520-4894

IU Southeast—Institute for Learning and Teaching Excellence
www.ius.edu/ilte
812-941-2506

IU School of Medicine—Office of Faculty Affairs & Professional Development
faculty.medicine.iu.edu/teaching
317-278-3089

Pervasive Technology Institute (PTI)

Collaboration is key in today’s research environment. The seven centers that make up PTI convert new innovations in IT and cyberinfrastructure into robust, practical tools.

- Center for Applied Cybersecurity Research (CACR): performs cybersecurity research, analysis, and training services
- Data to Insight Center (D2I): carries out foundational research in the social and technical challenges of data use in research and scholarship
- Digital Science Center (DSC): explores new applications of grid and cloud technologies, working to define powerful new computational techniques
- HathiTrust Research Center (HTRC): provides secure access to 16 million+ books, most of which are under copyright
- National Center for Genome Analysis Support (NGAS): supports genomics research, including genome and transcriptome assembly
- Science Gateways Research Center (SGRC): takes complicated data analyses and simulations, and simplifies and secures performing them online
- UITS Research Technologies (RT): delivers and supports cyberinfrastructure resources, described in the preceding pages

PTI centers also aid grant competitiveness by offering custom programming services which can be written into your grant budgets. Contact pti@iu.edu for more information.

pti.iu.edu
Online safety & security

Protect IU

Your online safety is important. The University Information Policy Office and the University Information Security Office help increase awareness about email and phishing scams, keeping data safe, and avoiding identity theft. You can ensure your everyday security with:

- Digital signatures, so recipients know your email has not been spoofed or altered by a scammer
- The Incident Response Webservice, which can show you when and where (via IP address) your account has been accessed

protect.iu.edu/online-safety

Tech help & consulting

Individual support

Trained UITS Support Center consultants are available 24/7 for one-on-one assistance with tech issues via online chat, email, or by phone. In-person support is also available.

uits.iu.edu/support

IU Knowledge Base

The Knowledge Base (KB) is home to thousands of answers to common questions about computing at IU. If you’re a do-it-yourselfer, search the Knowledge Base for current answers to tech questions.

kb.iu.edu

IT Community Partnerships

Local IT professionals can address questions particular to your department or school. If you need to know who they are, or have questions about how to access support or other services, you can turn to ITCP.

talk2uits@iu.edu
Indiana University is home to leading scholars, researchers, and educators.

It also features some of the nation’s best tech resources via University Information Technology Services (UI TS).

From around-the-clock tech support to one of the world’s top research supercomputers, UITS offers a broad range of tools and resources to support your teaching and research.

Data management
All personally identifiable student education records require protection. The Critical Data Guide provides practical tips for identifying and either securely storing or securely disposing of sensitive data.

Consult the Data Sharing and Handling tool or appropriate data manager/data steward if you’re unsure whether you need to apply special care and handling to your data.

data.mgmt.iu.edu

Two-Step Login with Duo
Required for all IU faculty, staff, and students.

Two-Step Login (Duo) provides an additional layer of security when you log in to some IU systems. Two-Step Login, also known as two-factor authentication, helps protect sensitive data and guard against increasingly sophisticated email and online scams (e.g., phishing attacks).

twostep.iu.edu

Phishing scams
Fraudulent messages often end up in your inbox. They’re sent by thieves posing as familiar institutions or people in an attempt to gain confidential information. Clicking on links within these emails could lead to identity theft, stolen paychecks, compromised IU accounts, and more.

Here’s how to protect yourself:

- Use Think Before You Click resources to learn how to spot signs of phishing scams.
- Take advantage of self-guided training in Canvas (go.iu.edu/1DEb).
- Install the PhishMe Reporter add-in for Outlook (kb.iu.edu/d/aogv) to report suspected phishing.

phishing.iu.edu
Resources at a glance

Accessibility at IU
accessibility.iu.edu

Canvas
canvas.iu.edu

Classroom Technology Services
learningspaces.iu.edu

Cloud storage
box.iu.edu

IT Training
ittraining.iu.edu

IU ETexts
etexts.iu.edu

IU Knowledge Base
kb.iu.edu

Mosaic
mosaic.iu.edu

One.IU
one.iu.edu

Online safety and security
protect.iu.edu/online-safety

Research/academic services and support
pti.iu.edu

Teaching at IU
teaching.iu.edu

Technology Tool Finder
toolfinder.iu.edu

Two-Step Login (Duo)
twostep.iu.edu

UIts faculty guide
uits.iu.edu/facultyguide

UIts Support Center
uits.iu.edu/support

Faculty Technology Guide
Academic Year 2018-19