

ISCOM

University of Maryland, Baltimore County

Survey Results Report, Faculty - Spring 2018

Survey Objectives: to assess the experience of undergraduate students within the UMBC Information Systems Department; determine employers/industries of interest for campus recruitment; investigate students interest in IS/BTA-related research; learn preferences for future communication with ISCOM.

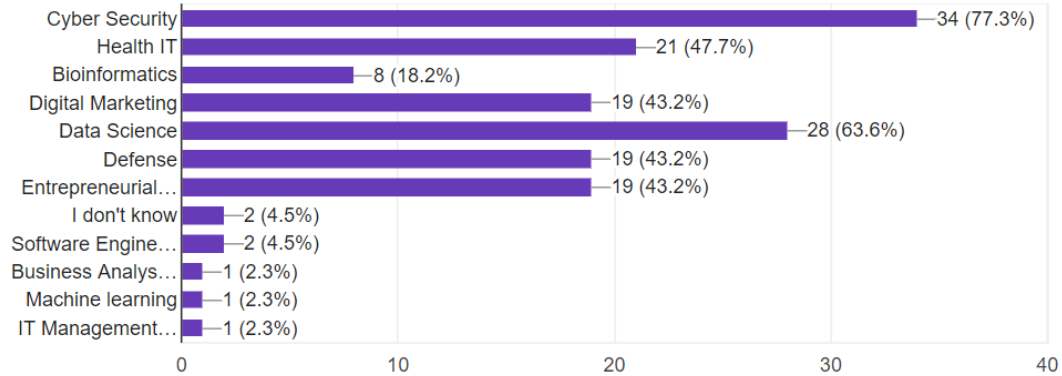
Summary Results Summary: After two days of analyzing and discussing the data, the Information Systems Council of Majors (ISCOM) Executive Board reached the conclusion that several themes were present:

- A heavy interest in the industries of **Cybersecurity** and **Data Science** (our top two kinds of employers) and a heavy interest in jobs paths like **Information Technology** and **Cybersecurity**.
- A **desire for hands-on experiences**, projects and hard skills related to career goals
- A need for **academic support** across mostly upper level IS-classes
- A high interest in **research** within the Information Systems discipline, contrasted with a **lack of knowledge** of undergraduate research's primary (and most attractive) attribute
- An equal interest in **in-person and online** communication of future academic, career, and research opportunities

Career

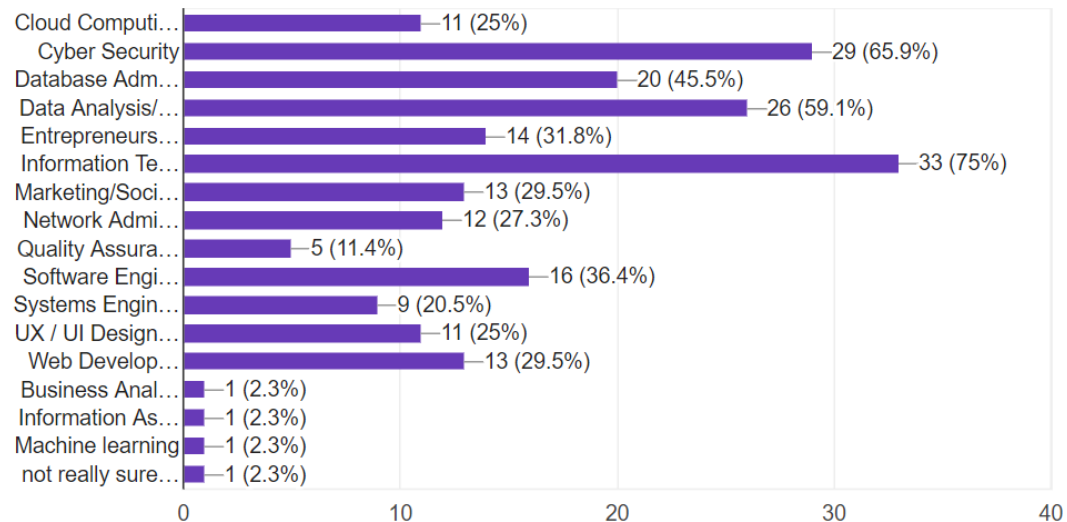
I'd like to see employers in the field of...

44 responses



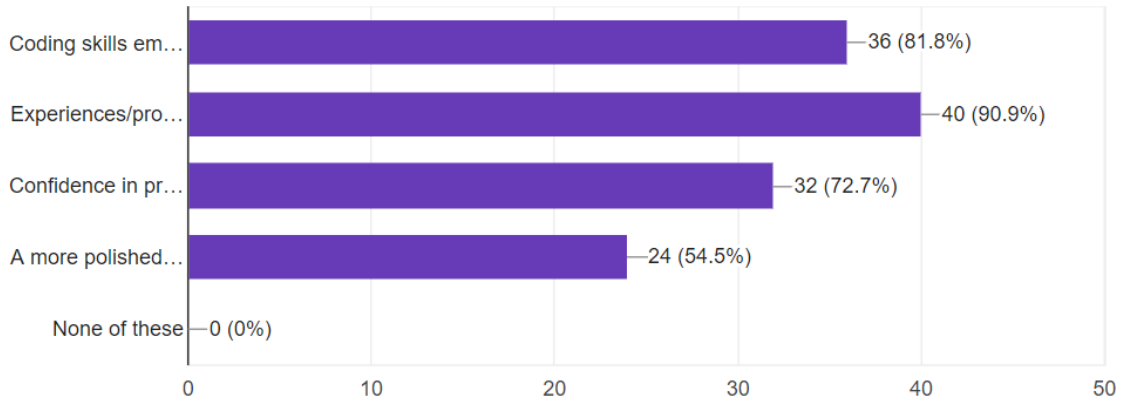
The kind of job/career I'm looking for is in...

44 responses



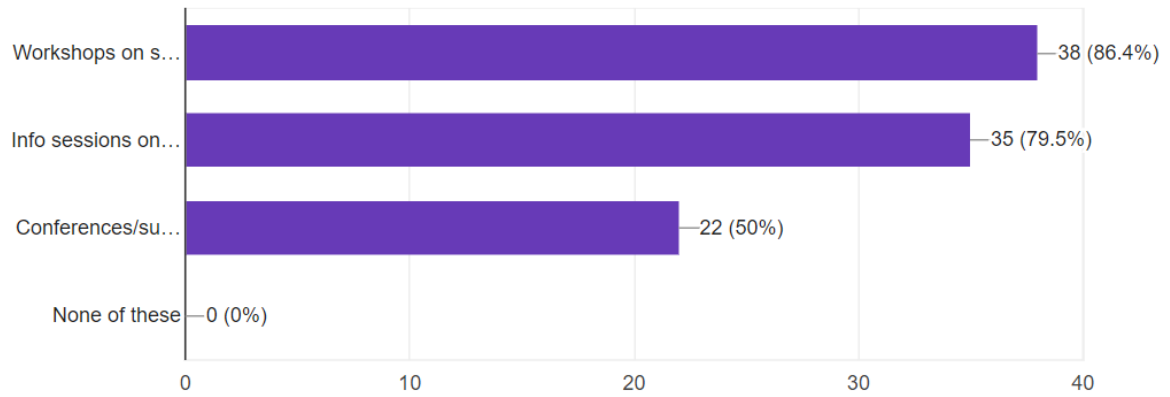
To get a job in that field, I feel I need more...

44 responses



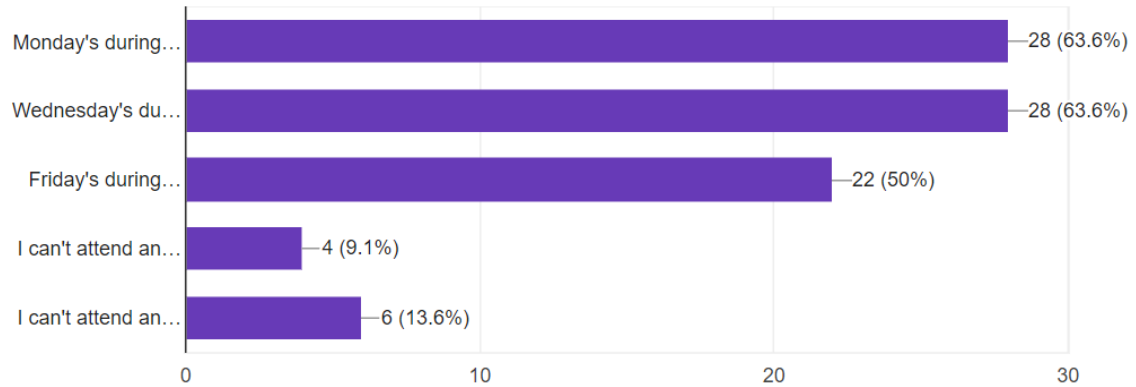
I'm most interested in...

44 responses



The best time(s) for me to attend a workshop/info session of interest is:

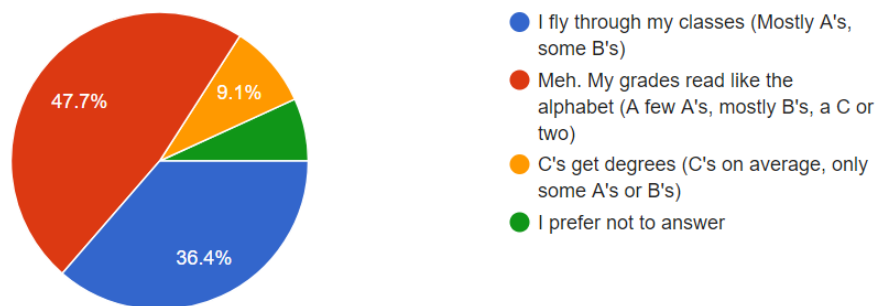
44 responses



Academic

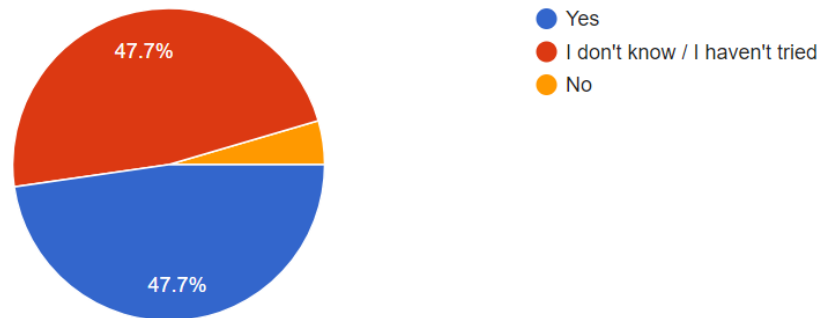
In general, how do you perform in your major-related classes?

44 responses



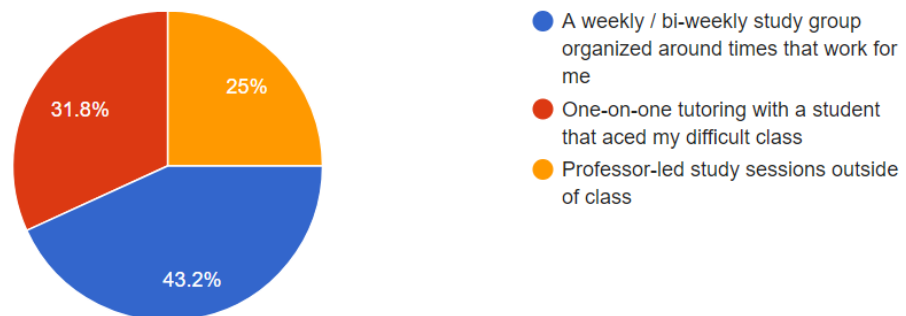
Would academic support (like student-formed study groups, one-on-one tutoring) be useful?

44 responses



Regardless of your answer above, which one of the following academic support options would you *actually* attend, if offered?

44 responses



Research

Have you considered doing research in the field of IS/BTA?

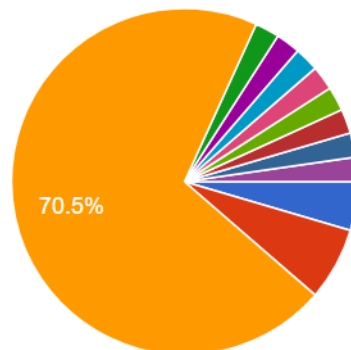
44 responses



- Yes and I currently am pursuing a research opportunity
- Yes, but I haven't heard of any opportunities
- No and I haven't heard of any opportunities
- No and I am not interested in pursuing a research opportunity

Why?

44 responses

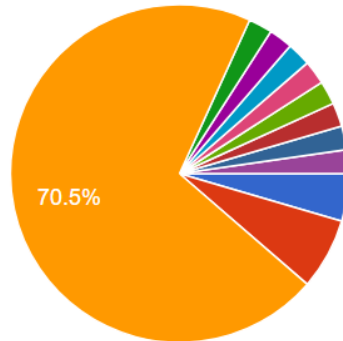


- It's boring / uninteresting
- I don't think it's what employers are...
- I do find it interesting
- I just started considering doing rese...
- I am currently working on a researc...
- While I am new to this (recent chan...
- I want to make money
- Trying to find an opportunity

▲ 1/2 ▼

Why?

44 responses

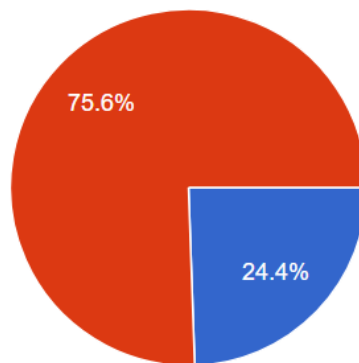


- Not sure what to look into for research (just started IS major).
- Time consuming
- No time between work, school, and trying to have a social life.

▲ 2/2 ▼

Did you know that URCAD (UMBC's own research summit) gives students \$1,000 grants to perform research of their interest?

45 responses



- Yes
- No

Grievances

What's a frustrating, unsatisfying, or disappointing thing about being an IS/BTA Major?

45 responses

| |
|---|
| 1. lack of direction |
| 2. Alot of information about the major/opportunities is unknown by most students |
| 3. My programming skills since I am from a non technical background. |
| 4. Competition for internships and jobs |
| 5. Coding, most upper level classes are only offer at night |
| 6. Not enough people that are readily available to help such as my advisor |
| 7. As an IS major with little experience in coding, I find it difficult to keep up with the classes and my peers. |
| 8. Broad major, needs more options for specific concentration of certain fields. |
| 9. Lack of freedom to choose which classes to take |
| 10. The class gating. Being a transfer sucks. |
| 11. I haven't been upset with the major yet |
| 12. Coding |
| 13. Not enough reach in opportunities |
| 14. IS department trying to force me down one career path when I want something else. |
| 15. All the ECON courses we need to take |
| 16. I am an IS major because I screwed up, and am ineligible to be a CS major. |
| 17. Lack of support in certain classes |
| 18. Lots of experiences are often required for the internships I look at |
| 19. Haven't really used coding experience |
| 20. vast competition, I always feel unqualified |
| 21. Everyone seems to know a whole lot more and seem more tech and information savvy . I feel like im always playing catch up |
| 22. I haven't had any of such experience yet. |

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| 23. I feel at times there are limitations on research and tasks which lead to boredom. |
| 24. Not enough programming |
| 25. They don't give you a better understanding of what jobs might be good for you. |
| 26. Failed in class or courses |
| 27. So many introverts and people who are way more into it and "geeky" than I am... hard to connect w/ fellow IS majors |
| 28. N/A |
| 29. Not sure yet, just started major. |
| 30. Often times there are problems that arise that may take a long time to find an answer to, which can frustrate me when I really just want to get it solved. |
| 31. Not sure how I'll do in the workplace |
| 32. Stinks that many major classes are only offered at night |
| 33. I feel like there should be more information about the different IS tracks and certificates available for us. There should also be more information about graduate school |
| 34. I dont know yet. Still learning. |
| 35. Coding/Accounting |
| 36. Programming since I'm not particularly good at it. |
| 37. Nothing |
| 38. I do not think IS offers enough security classes in the basis of cyber security |
| 39. I just changed my major so its a little hard |
| 40. Work load |
| 41. BTA no real mandatory coding class |
| 42. First semester in IS, so can't say anything other than wish there was a little more CS involved |
| 43. Don't know |
| 44. The professors are very great in their field but unnecessarily harder than the classes have to be. If classes more oriented in providing more experiences/ preparing us for the professional world. |
| 45. I wouldn't know but I assume that coding is the greatest struggle |

If you were Chair of the IS department, how would you improve the IS/BTA experience?

45 responses

| |
|--|
| 1. help students figure out what they want to do in the field |
| 2. - more tutoring opportunities for students -workshops to prepare students for the work field (improve coding skills, mock interviews that are tech related, talk about how to get involved in research on/off campus) |
| 3. More opportunities will be given to students who are interested in research and more exposure to jobs like CS program has. |
| 4. Look for more outside companies to set up events with |
| 5. Engage with the student body and figure out what they need |
| 6. I would have more information sessions and or 1 on 1s with students with various degrees of progress towards their degree to discuss which pathways are helpful. Also not enough real world skills are taught. Conceptual skills are great but after Students graduate, they need to find a job asap to pay off student loans and support themselves. |
| 7. Helping students better understand the skills each major provides and what kind of jobs go along with those majors. |
| 8. Improve the IT building and add more resources (or make resources more known) for students for certain fields |
| 9. Reduce requirements and increase IS electives so people can specialize in there interests. Or give different concentrations like the certificates except in the major. |
| 10. I'm not sure honestly. |
| 11. Have the IS classes in a conference type of room |
| 12. More introduction to coding classes |
| 13. Expose opportunities to fellow IS students |
| 14. More career advice so IS majors know all there options (especially useful for new IS majors coming from CS) |
| 15. I would emphasize the different ranges of fields that IS covers in order to encourage people to join the major and make it more diverse |
| 16. Not really sure, because not only have I just change majors, I am a first semester transfer student. I guess I would try to focus on making sure every student finds their passion within the major, and if they cannot, try to push them in the direction of something they care about and are skilled with. |
| 17. Make an IS tutoring center |

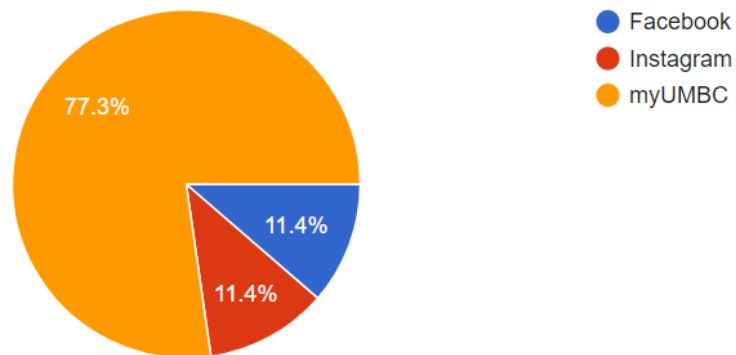
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|---|
| 18. More internship opportunities, freshmen friendly experiences able to get students into the door for resume experiences |
| 19. Involve coding in earlier IS/BTA classes |
| 20. receive and respond to feedback from those in the major |
| 21. Don't know |
| 22. I would work on providing more skill classes or sessions that would benefit student in work life and be prepared for real life challenges. |
| 23. I would allow students to able to go any direction they choose in their field instead of creating limiting concentrations. |
| 24. More programming |
| 25. Have more tutors available for IS classes. |
| 26. I don't know |
| 27. Monthly, catered lunches for IS students where they can socialize and hang out |
| 28. N/A |
| 29. I wouldn't know, just started the major. |
| 30. Offer opportunities for students to experience what it is like to work in the IS/BTA field. |
| 31. Not sure |
| 32. More professors with professional work experience in the subject they are teaching |
| 33. Give more information about grad schools and different IS tracks to students. |
| 34. Help kids with coding. Coding workshops, study groups, and such |
| 35. Give more students opportunities to work collaboratively. |
| 36. I haven't been an IS major long enough to recommend any alterations to the program. |
| 37. Not much |
| 38. Not sure for now |
| 39. more info sessions and seminar and internship options |
| 40. Study groups. |
| 41. Have an internship requirement. Give the BTA majors a more useful coding class. I'm not sure if a Visual Basic class is mandatory or an elective. |
| 42. N/A |
| 43. Don't Know |
| 44. I will lower requirements of classes and allow students more opportunities/ experience to the professional world. |

45. Again I am not sure though trying to better explain the cohesion of IS and BTA may be one step

How do you want to hear from us?

What social media platform do you use most frequently for finding UMBC events?

44 responses



What other ways would you like to hear about worthwhile internships, interesting career panels, and events to get your bang for your buck as an IS/BTA Major?

44 responses

