



Interested in
Business Technologies & Intelligence?

CONSIDER THE IS CONCENTRATION



Why Concentrate In
Information Systems?

or consider a double
concentration!

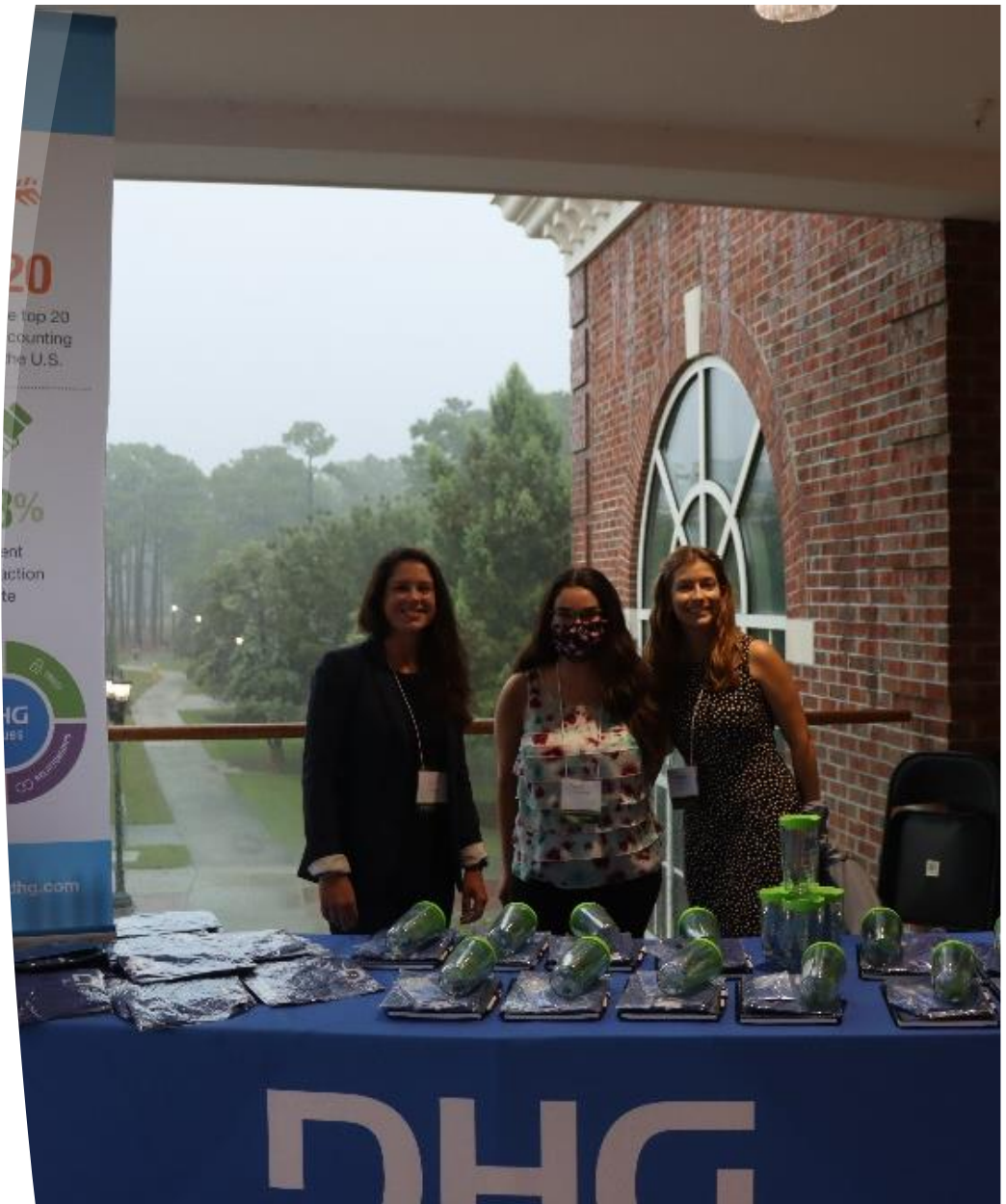
The concentration for
students interested in

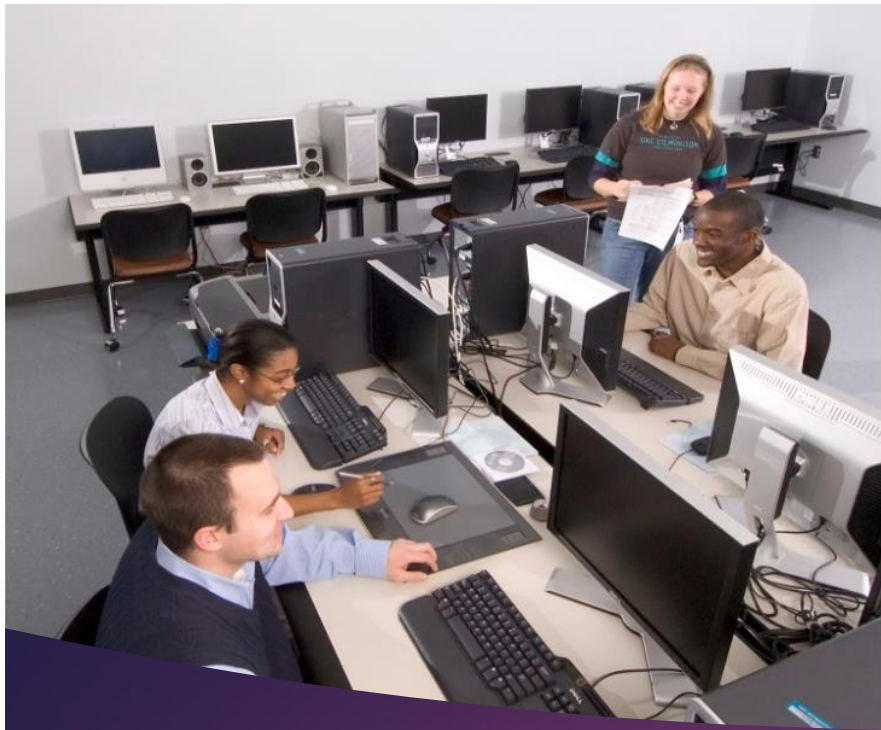
Business Technologies
and Intelligence

IS grads are in demand

- ▶ **NC Tomorrow projects 23,000 new IT jobs will be needed in North Carolina in the next 10 years (3rd highest growth occupation)**

• <http://www.nctomorrow.com>





IS grads are in demand and are paid for being in demand

- ▶ IT Professions have 3 of the top 10 growth jobs in the next 10 years (all with growth rates over 25%)

Source: US Bureau of Labor Statistics for jobs

What is Information Systems?

► **IS professionals know how to**

- Combine business knowledge with business technologies, including AI
- Help firms make decisions about technology to solve problems and become more competitive
- Identify business needs and translate those needs into solutions that are then implemented by technology specialists
- Manage IT projects, people, and processes
- Build information systems as part of a team

IS is different from Computer Science

- CS focuses on designing and building computer code
- IT focuses on the application of business technologies and intelligent technologies to assist businesses to solve problems

IS Concentration

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graph TD; A[IS Concentration] --- B[Business / System Analyst]; A --- C[Software Engineer]; B --- D[Project Manager]; B --- E[Data Managers];
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Business / System
Analyst

Software Engineer

Project
Manager

Data
Managers

Business Analysts

- ▶ Create solutions using technology to solve corporate problems or increase profitability
- ▶ Link between business and technology
- ▶ Design / Implement Technology Solutions
- ▶ Train users



Typical Employers:
LiveOak, MetLife, Fidelity Investments
EY, Deloitte



IT Project Managers

- ▶ Lead teams to manage projects to be completed on time, on budget and within user needs

Typical Employers: Central Square, UNCW, NetApp

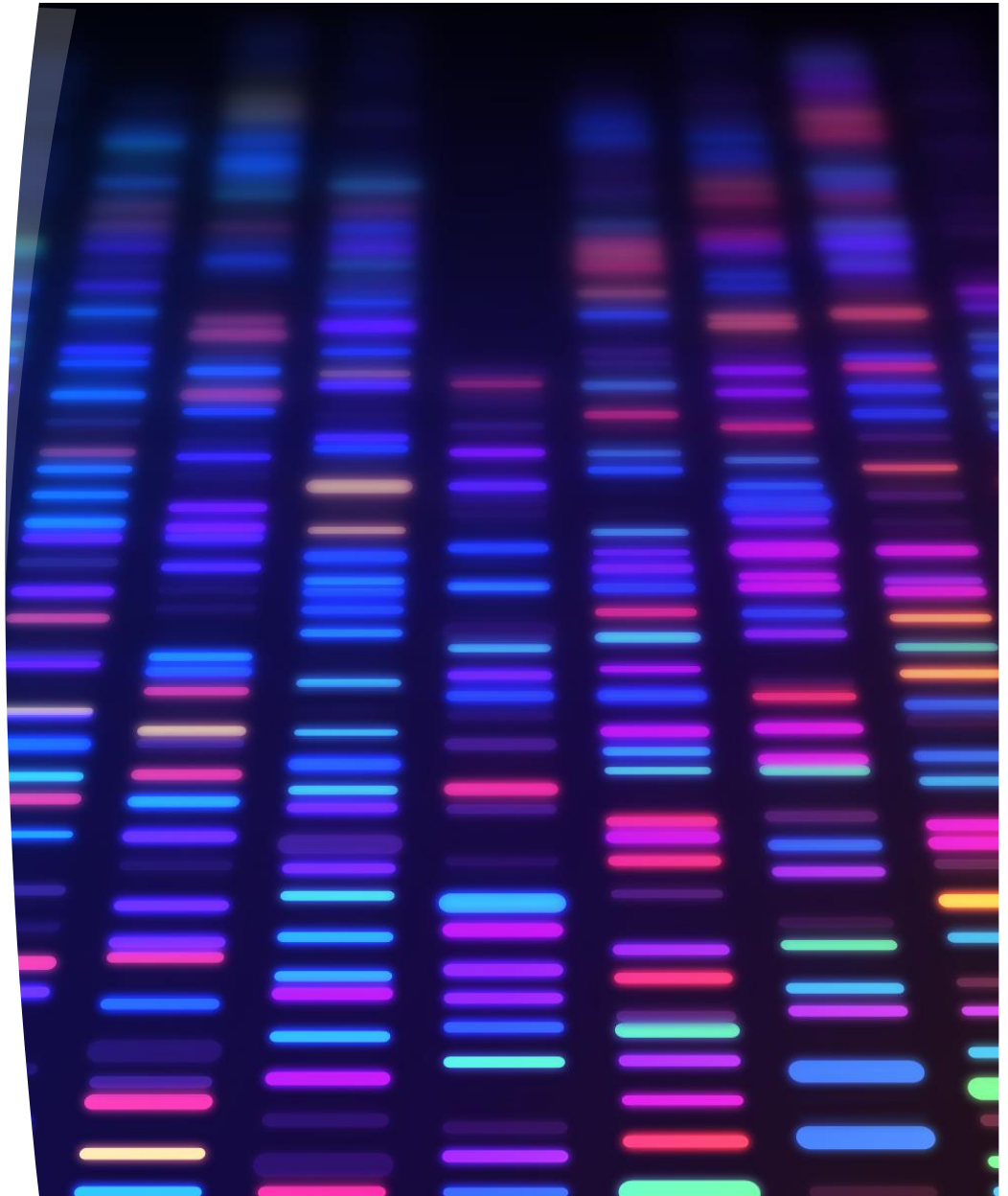
Software Engineers

Build the actual systems to improve the workflow or profitability of organizations

Write smart device applications

Prototype builders

Typical Employers:
GE, nCino, GPA



Data Analyst

Typical Employers:
Apiture, SAS, CastleBranch



What data should be collected and organized



Identify opportunities to improve organizational performance



Provide an analytical approach to assist management to make decisions

In summary: Attributes of an IS Professional

Business Savvy

Technical Aptitude

Good Communications Skills
It is typical to interact with
departments at all levels

Must communicate
technical information to
managers

Must communicate business
needs to technicians

Problem Solvers



IS Graduates Employment data:

*2023-24 Data

- ▶ **75% - had jobs in the field on graduation day**
- ▶ 15% - were entering grad school
- ▶ 10% - were still looking
- ▶ Average Starting Pay
 - ▶ **\$75,600 –** Raleigh/Charlotte,
\$63,300 – Wilm
- ▶ 70% of graduates had a paid internship
 - ▶ \$18+/hour

Internships / Jobs

- ▶ Ally Bank
- ▶ Apiture
- ▶ Castle Branch
- ▶ Central Square
- ▶ Deloitte
- ▶ Focus Broadband
- ▶ Forvis/Mazars
- ▶ Fidelity Investments
- ▶ GE – Hitachi
- ▶ Google
- ▶ Live Oak
- ▶ New Hanover County
- ▶ Novant Health
- ▶ MegaCorp Logistics
- ▶ MetLife
- ▶ NC Ports
- ▶ nCino
- ▶ P4Technologies
- ▶ Pearson Education
- ▶ PWC



In Summary

- ▶ IS IS A GREAT CONCENTRATION (OR DOUBLE FOR ACT, FIN, MKT):
- ▶ FOR PEOPLE WHO LOVE TECHNOLOGY
- ▶ WANT TO ASSIST AN ORGANIZATION TO SOLVE PROBLEMS
- ▶ HAVE A GREAT JOB OPPORTUNITY

What
should I
take
next?



MIS 315

Learn more about
management of data
Useful for all business
majors



MIS 310

Web / Device
Development

Questions?



Additional information
on the Congdon
School website.



Ask me!