

RUPlanner

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Recap

- Combination of degree navigator + course planner
 - Total credits needed
 - Required courses
 - Fill in courses as needed
 - Planner for entire academic career
- Easy and intuitive UI
- Only works for Engineers

Current Progress

- Login Verifies with Rutgers servers
- Working Webpage (html/css/php)
- Database development backend (MySQL)
- Numerous Databases
 - Courses
 - Users
 - Majors
- Frontend <> Backend Integration

Design/Implementation

- Login using NetID/password
- Select Major
 - Prefilled template
 - Able to add/delete courses with prereqs shown
 - Progress bar and total credits needed displayed
 - Course Descriptions
- Save/Change/Delete

Computer Engineering Curriculum					
Freshman Year					
01:160:159	General Chemistry for Engineers	3	14:440:127	Intro to Computers for Engineers	3
01:160:171	Introduction to Experimentation	1	14:440:221	Engineering Mechanics	3
01:355:101	Expository Writing	3	01:640:152	Calculus II Math/Phy	4
14:440:100	Engineering Orientation	1	01:750:124	Analytical Physics IB	2
01:640:151	Calculus I Math/Physics	4	_____	Hum/Soc. elective	3
01:750:123	Analytical Physics IA	2			
01:220:102	Introduction to Microeconomics	3			
Total Credits		17	Total Credits		15
Sophomore Year					
14:332:221	Principles of Electrical Engg. I	M 3	14:332:222	Principles of Electrical Engg. II	M 3
14:332:223	Principles of E.E. I Lab	M 1	14:332:224	Principles of E.E. II Lab	M 1
14:332:231	Digital Logic Design	M 3	14:332:226	Probability & Random Processes	M 3
14:332:233	Digital Logic Design Lab	M 1	14:332:252	Programming Methodology I	M 3
01:640:251	Multivariable Calculus	4	14:332:254	Programming Method. I Lab	M 1
01:750:227	Analytical Physics IIA	3	01:640:244	Differential Equations for Engg/Phy	4
01:750:229	Analytical Physics IIA Lab	1			
Total Credits		16	Total Credits		15
Junior Year					
14:332:331	Computer Arch.& Asmb. Lang.	M 3	14:332:312	Discrete Mathematics	M 3
14:332:333	Computer Arch. Lab	M 1	14:332:366	Digital Electronics	M 3
14:332:345	Linear Systems & Signals	M 3	14:332:368	Digital Electronics Lab	M 1
14:332:347	Linear Systems & Signals Lab	M 1	14:332:452	Software Engineering	M 3
14:332:361	Electronic Devices	M 3	14:332:393	Professionalism/Ethics	M 1
14:332:363	Electronic Devices Lab	M 1	01:198:416	Operating Systems	M 4
14:332:351	Programming Methodology II	M 3	_____	Computer/Tech elective	M 3
Total Credits		15	Total Credits		18
Senior Year					
14:332:437	Digital System Design	M 3	14:332:_____	Capstone Design elective	M 3
_____	Computer elective	M 3	_____	Computer elective	M 3
_____	Tech elective	M 3	_____	Hum/Soc elective	M 3
_____	Science Math Engg elective	M 3	_____	Hum/Soc elective	M 3*
_____	Hum/Soc elective	M 3			
Total Credits		15	Total Credits		12

Difficulties

- Database creation
- Pulling information from websites
- Creating an intuitive UI
 - Fluid
 - Looks nice
 - Displays information cleanly
- Recommendation Algorithms

Original vs New Plan

Original plan:

- Full Front end (deliverable 1)
- Full Back End (deliverable 2)
- Integration (deliverable 3)

New Plan:

- Working Front end + Working Back end (deliverable 1)
- Working demo (deliverable 2)
- Everything working + extra (deliverable 3)

Future Deliverables

Deliverable 2

- Working UI
- Working ECE planner with functional courses
- Correctly displayed graduation information

Deliverable 3

- Server side algorithms
- Working planner for all Eng. Majors
- Potential other bells and whistles (sharing

Contributions

Steve

- Website design/development
- Front end programmer

Nick

- Database designer/programmer
- Presenter/writer/editor