



STEM Teacher Preparation: From Scarcity to Abundance with the Education Double Degree

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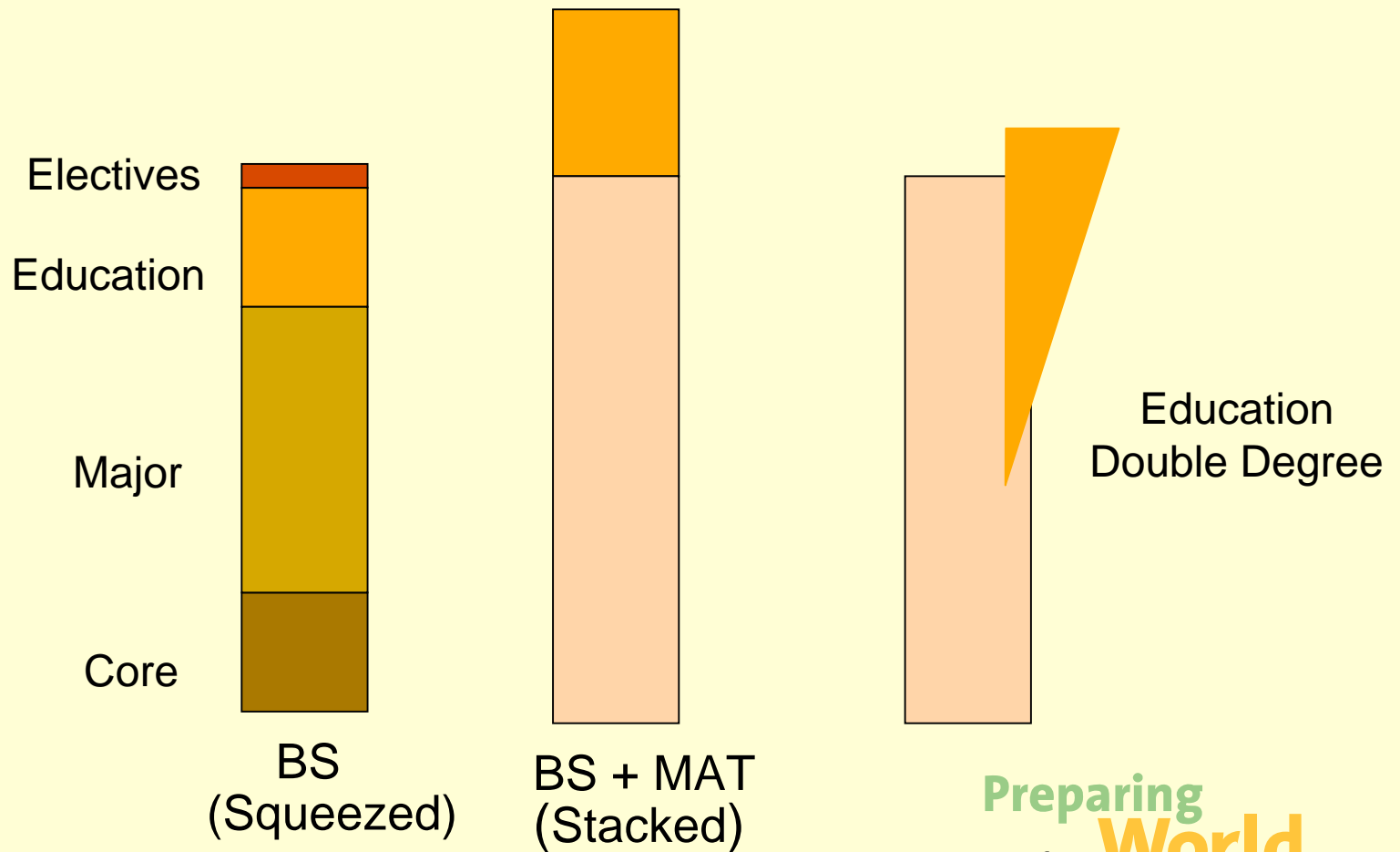
College of Education
Oregon State University

Preparing
for a **World**
of
Possibilities

College of Education



OSU's Education Double Degree



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Double Degree Goals

- **ACCESS** Provides a new pathway for teacher preparation, available to all students at OSU and Oregon community colleges.
- **DIVERSITY** Promotes opportunities to recruit from more diverse pool of students.
- **QUALITY** Ensures strength of both disciplinary content and professional education preparation.
- **QUANTITY** Prepares more OSU grads to teach in Oregon schools, communities and businesses.
- **ENGAGEMENT** Facilitates university-wide engagement with teaching and learning at all levels.
- **EFFICIENCY** Generates efficiencies.

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Double Degree Program



Level One: No PreRequisites; Purpose of Education; MultiCultural Issues; Learn Across Life Span

Level Two: Provisional Admission; Curriculum and Pedagogy Courses (by authorization level); Part-time Student Teaching

Level Three: Professional Admission; Full-Time Student Teaching and Seminars (by authorization level and endorsement area)

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Double Degree Program

Level One

- 3.0 GPA
- Content Mastery Form
- Two letters of recommendation (primary degree; youth)
- Pass CBEST
- Complete/pass criminal history background



Double Degree Program

Level Two: Provisional

- 3.0 GPA; Content Mastery Form (all required courses)
- Pass PRAXIS II and others, as necessary for authorization and endorsement
- Part-time student teaching; at least 120 clock hours, work sample; 6 observations



Double Degree Program

Level Three: Professional

- 3.0 GPA
- Full-time student teaching; work sample #2, seminar, 6 observations, capstone project



Student Profile

Evan Johnson

“I always thought about teaching, and when I started math tutoring at Corvallis High and saw the kids’ faces light up when they ‘got it’ I knew I wanted to teach,” said Evan Johnson, who graduated with degrees in engineering and education, and is now teaching high school advanced math.



Evan Johnson
Computer Engineering
& Education

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Student Profile

Liz Campagna

“My high school calculus teacher maintained great personal relationships with all of us and he made learning calculus relevant to our lives as teenagers. This inspired me to explore a career in both engineering and teaching.”



Liz Campagna
Mechanical Engineering
& Education

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Engaging the University in Teacher Education

OSU Colleges

Agriculture

Business

Engineering

Forestry

Health & Human
Sciences

Liberal Arts

Science

Teaching Areas

Elementary

Business

Family & Consumer

Foreign Language

Health

Language Arts

Math

Science

Social Studies

Technology





Enrollment in STEM Areas



	Jan-06	Jan-07
College of Business	38	56
College of Engineering	18	49
College of Science	49	100
Subtotal	105	205
All University Total	498	918

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SAT Mathematics Scores: Double Degree Students (fall 2006)

	DD	OSU
701 - 800	0%	5%
601 - 700	35%	25%
501 - 600	52%	41%
200 - 500	13%	30%
Mean	652	546



Double Degree Enrollment



	Jan-06	Jan-07
Indian/Native American	12	20
Asian/Pacific Islander	23	42
Black/African American	6	17
Latino/Hispanic	18	38

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Education Double Degree



Pathways

- K-12 Classrooms
- Community Settings
- Workplace Settings

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